

CASE

NUMBER:

99-328

INDEX FOR CASE: 99-328
CINCINNATI BELL TELEPHONE COMPANY
Interconnection Agreements
WITH TELIGENT, INC.

IN THE MATTER OF THE INTERCONNECTION AND TRAFFIC
INTERCHANGE AGREEMENT BETWEEN CINCINNATI BELL TELEPHONE
COMPANY AND TELIGENT, INC.

SEQ NBR	ENTRY DATE	REMARKS
0001	07/30/99	Application.
0002	08/06/99	Acknowledgement letter.
0003	10/04/99	Final Order approving agreement between CBT and Teligent.



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION
730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

CERTIFICATE OF SERVICE

RE: Case No. 99-328
CINCINNATI BELL TELEPHONE COMPANY

I, Stephanie Bell, Secretary of the Public Service Commission, hereby certify that the enclosed attested copy of the Commission's Order in the above case was served upon the following by U.S. Mail on October 4, 1999.

Parties of Record:

Gene Baldrate
Vice President-Regulatory Affairs
Cincinnati Bell Telephone Company
201 East Fourth Street
P. O. Box 2301
Cincinnati, OH. 45202

Teligent, Inc.
8065 Leesburg Pike
Suite 400
Vienna, VA. 22182

Honorable Christopher J. Wilson
Corporate Attorney
Cincinnati Bell Telephone
201 E. Fourth Street
P.O. Box 2301
Cincinnati, OH. 45201 2301

Stephan Bell

Secretary of the Commission

SB/hv
Enclosure

Teligent must comply with all relevant Commission mandates for serving in this Commonwealth.

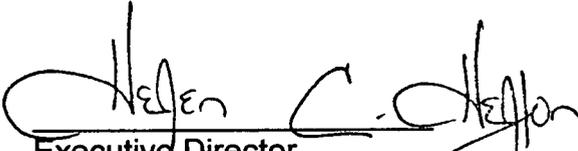
The Commission, having been otherwise sufficiently advised, HEREBY ORDERS that:

1. The negotiated agreement between CBT and Teligent is approved.
2. Teligent shall file a tariff for local service prior to providing local service giving 30 days' notice to the Commission and shall comply with all Commission regulations and orders as directed.
3. The negotiated rates for items which are labeled "TBD" or "ICB" in the agreement approved herein shall be submitted for Commission review as amendments to the July 30, 1999 agreement.

Done at Frankfort, Kentucky, this 4th day of October, 1999.

By the Commission

ATTEST:


Executive Director



COMMONWEALTH OF KENTUCKY
PUBLIC SERVICE COMMISSION

730 SCHENKEL LANE
POST OFFICE BOX 615
FRANKFORT, KY. 40602
(502) 564-3940

August 9, 1999

Gene Baldrate
Vice President-Regulatory Affairs
Cincinnati Bell Telephone Company
201 East Fourth Street
P. O. Box 2301
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Honorable Christopher J. Wilson
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Cincinnati Bell Telephone
201 E. Fourth Street
P.O. Box 2301
Cincinnati, OH. 45201 2301

RE: Case No. 99-328
CINCINNATI BELL TELEPHONE COMPANY
(Interconnection Agreements) WITH TELIGENT, INC.

This letter is to acknowledge receipt of initial application in the above case. The application was date-stamped received July 30, 1999 and has been assigned Case No. 99-328. In all future correspondence or filings in connection with this case, please reference the above case number.

If you need further assistance, please contact my staff at 502/564-3940.

Sincerely,

A handwritten signature in cursive script that reads "Stephanie Bell".

Stephanie Bell
Secretary of the Commission

SB/lnh



**Cincinnati Bell
Telephone®**

201 E. Fourth St.
P.O. Box 2301
Cincinnati, Ohio 45201-2301

RECEIVED

JUL 30 1999

PUBLIC SERVICE
COMMISSION

CHRISTOPHER J. WILSON
Corporate Attorney
cwilson@cinbell.com
(513) 397-6351

July 29, 1999

Helen C. Helton, Esq.
Executive Director
Public Service Commission of Kentucky
730 Schenkel Lane
P. O. Box 615
Frankfort, KY 40602

324
Case No. 99-~~1157~~

**Re: Interconnection and Traffic Interchange Agreement Between
Cincinnati Bell Telephone Company and Teligent, Inc.**

Dear Ms. Helton:

Enclosed for filing please find an original and (5) copies of the Interconnection and Traffic Interchange Agreement between Cincinnati Bell Telephone Company and Teligent, Inc. Cincinnati Bell and Teligent, Inc. request approval of the Interconnection Agreement pursuant to section 252(e) of the Telecommunications Act of 1996. Please file the enclosed copies and return date-stamped copies to us in the enclosed self-addressed, stamped envelope.

If you have any questions concerning this filing, please feel free to contact me. Thank you in advance for your assistance with this matter.

Very truly yours,



Christopher J. Wilson

Enclosure

cc: Thomas E. Taylor, Esq. (w/o encl.)
Steve Kritzer, Cincinnati Bell Telephone (w/o encl.)

RECEIVED
JUL 30 1999
PUBLIC SERVICE
COMMISSION

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996**

Dated as of July 28, 1999

by and between

CINCINNATI BELL TELEPHONE COMPANY

and

TELIGENT, INC.

for

KENTUCKY

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COLLOCATION***

PRICING SCHEDULE

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996**

This Interconnection Agreement, under Sections 251 and 252 of the Telecommunications Act of 1996 ("**Agreement**"), is effective as of the ____ day of _____ 1999 (the "**Effective Date**"), by and between Cincinnati Bell Telephone Company, an Ohio corporation with offices at 201 E. Fourth Street, Cincinnati, Ohio 45202 ("**CBT**"), and Teligent, Inc., a Delaware corporation, with offices at 8065 Leesburg Pike, Suite 400, Vienna Virginia 22182 ("**TELIGENT**").

RECITALS

A. CBT is an Incumbent Local Exchange Carrier, as defined by the Act, authorized to provide certain Telecommunications Services within the Commonwealth of Kentucky, more particularly described as LATA 922.

B. CBT is engaged in the business of providing, among other things, local Telephone Exchange Service within Kentucky.

C. TELIGENT has been granted authority to provide certain local Telephone Exchange Services within the areas of Kentucky where it intends to provide services pursuant to this Agreement and is a Local Exchange Carrier as defined by the Act.

D. The Parties desire to provide for compliance with their respective obligations under the Act, including Interconnection of their facilities and equipment so that their respective residential and business Customers may communicate with each other over, between and through such networks and facilities.

NOW, THEREFORE, in consideration of the promises and the covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, TELIGENT and CBT hereby agree as follows:

**ARTICLE I
DEFINITIONS AND CONSTRUCTION**

1.1 Structure. This Agreement includes certain Exhibits and Schedules that immediately follow this Agreement, all of which are hereby incorporated in this Agreement by this reference and constitute a part of this Agreement.

1.2 Defined Terms. Capitalized terms used in this Agreement shall have the respective meanings specified in Schedule 1.2 or as defined elsewhere in this Agreement or the Act.

1.3 Interpretation.

- (a) The definitions in **Schedule 1.2** shall apply equally to both the singular and plural forms of the terms defined. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words “**include**,” “**includes**” and “**including**” shall be deemed to be followed by the phrase “**without limitation**”. The words “**shall**” and “**will**” are used interchangeably throughout this Agreement, and the use of either connotes a mandatory requirement. The use of one or the other shall not mean a different degree or right or obligation for either Party.
- (b) References herein to Articles, Sections, Exhibits and Schedules shall be deemed to be references to Articles and Sections of, and Exhibits and Schedules to, this Agreement, unless the context shall otherwise require.
- (c) The headings of the Articles, Sections, Exhibits and Schedules are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement.

1.4 Joint Work Product. This Agreement is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms, and, in the event of any ambiguities, no inferences shall be drawn against either Party.

ARTICLE II GENERAL SERVICE-RELATED PROVISIONS

2.1 Interconnection Activation Date. Subject to the terms and conditions of this Agreement, Interconnection of the Parties' facilities and equipment pursuant to **Articles III** and **IV** for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic, and Interconnection of the Parties' facilities and equipment to provide TELIGENT access to CBT's unbundled Network Elements pursuant to **Article IX**, shall be established on or before the corresponding “**Interconnection Activation Date**” shown for each Interconnection Point set forth on **Schedule 2.1**. TELIGENT may seek additional Interconnection Points or revise any estimated or new Interconnection Activation Dates according to the principles set forth in **Section 3.4**. **Schedule 2.1** shall be revised and supplemented from time to time to reflect additional Interconnection Points, by attaching one or more supplementary schedules to such Schedule.

2.2 Bona Fide Request. Any request by a Party for services, including features, capabilities, functionality, Network Elements or Combinations that are not otherwise provided by the terms of this Agreement at the time of such request, shall be made pursuant to the Bona Fide Request (“**BFR**”) process set forth on **Schedule 2.2**.

2.3 Technical References. The Parties agree that the Technical References listed on Schedule 2.3 (the "Technical Reference Schedule"), are generally accepted guidelines for interface and performance parameters of equipment and facilities used by LECs in the United States for delivering Telephone Exchange Service. These Technical References are used by the Parties in specifying suitable equipment and facilities components for use in their respective networks, and for assuring interoperability between components that collectively comprise such networks. Each Party will strive to their utmost ability to comply with these industry standards, but will not be liable for any non-compliance by any vendor furnishing such equipment or facilities, provided that such equipment/facilities are of a type generally deployed throughout the industry, currently or at the time deployed. Nothing in this Section shall require a Party to deliver performance, functionality or capabilities from specific equipment or facilities beyond that intended by its vendor. TELIGENT is entitled to request through the BFR process functions and capabilities described in the Technical References listed in Schedule 2.3 which CBT has not deployed or activated in its own network.

2.4 Availability of Services. CBT agrees not to discontinue or refuse to provide any service provided or required hereunder other than in accordance with the terms of this Agreement, or unless required by the Commission.

ARTICLE III INTERCONNECTION PURSUANT TO SECTION 251(c)(2)

3.1 Scope. Article III describes the physical architecture for Interconnection of the Parties' facilities and equipment for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic (including intraLATA and interLATA traffic) between the respective business and residential Customers of the Parties pursuant to Section 251(c)(2) of the Act. Each Party shall make available to the other Party the same Interconnection methods on the same rates, terms and conditions. Interconnection may not be used solely for the purpose of originating a Party's own interexchange traffic. Articles IV and V prescribe the specific logical trunk groups (and traffic routing parameters) that will be configured over the physical Interconnections described in this Article III related to the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic, respectively. Other trunk groups, as described in this Agreement, may be configured using this architecture.

3.2 Interconnection Points and Methods.

3.2.1 In the LATA identified on Schedule 2.1, TELIGENT and CBT shall Interconnect their networks at the correspondingly identified Interconnection Points on Schedule 2.1 for the transmission and routing within that LATA of Telephone Exchange Service traffic and Exchange Access traffic pursuant to Section 251(c)(2) of the Act.

3.2.2 Interconnection in the LATA shall be accomplished at any technically feasible point of Interconnection (an "Interconnection Point") by any technically feasible means, including (i) a Fiber-Meet as provided in Section 3.3, or (ii) Collocation at any technically feasible Premise as provided in Article XII. For Interconnection methods other than a Fiber-Meet, TELIGENT will have the right to designate the Interconnection Point(s) in the LATA. For

Interconnection by Fiber-Meet, the Parties shall mutually agree on the Interconnection Point(s). There will be at least one (1) Interconnection Point within the LATA; however, TELIGENT may designate additional Interconnection Points in the LATA, subject to the terms and conditions of this **Article III**.

3.2.3 If TELIGENT elects Collocation as an Interconnection method or elects a network architecture that requires CBT to Interconnect with TELIGENT's facilities via Collocation, TELIGENT agrees to provide to CBT Collocation for purposes of that Interconnection on a nondiscriminatory basis and on rates, terms and conditions to be negotiated by the Parties under a separate agreement that are no less favorable than either (i) CBT provides to TELIGENT hereunder or (ii) unless the Commission finds otherwise.

3.2.4 Within ten (10) Business Days of a Party's request of any Interconnection Point, the other Party shall provide any information in its possession or of which it is actually aware regarding the environmental conditions of the Interconnection Point, including the existence and condition of asbestos, lead paint, hazardous substance contamination or radon. The Parties acknowledge that a Party's obligation under this **Section 3.2.4** shall only require such Party to review any existing internal records of such Party. Nothing in this **Section 3.2.4** shall require a Party to investigate and/or monitor, contain, clean, remove, restore or perform any remedial work of any kind or nature with respect to any environmental condition in or on such Interconnection Point, other than as required by Applicable Law.

3.3 Fiber-Meet.

3.3.1 If the Parties Interconnect their networks pursuant to a Fiber-Meet, the Parties shall jointly engineer and operate a single Synchronous Optical Network ("SONET") transmission system. Unless otherwise mutually agreed, this SONET transmission system shall be configured, engineered, installed, and maintained as described in this **Article III**.

3.3.2 CBT shall, wholly at its own expense, procure, install and maintain the Optical Line Terminating Multiplexor ("OLTM") equipment in the CBT Interconnection Wire Center ("CIWC") identified for each LATA set forth on **Schedule 2.1**, in capacity sufficient to provision and maintain all logical trunk groups prescribed by **Articles IV** and **V**.

3.3.3 TELIGENT shall, wholly at its own expense, procure, install and maintain the OLTM equipment in the TELIGENT Interconnection Switching Center ("MISC") identified for that LATA in **Schedule 2.1**, in capacity sufficient to provision and maintain all logical trunk groups prescribed by **Articles IV** and **V**.

3.3.4 CBT shall designate a manhole or other suitable entry-way immediately outside the CIWC as a Fiber-Meet entry point and shall make all necessary preparations to receive, and to allow and enable TELIGENT to deliver, fiber optic facilities into that manhole with sufficient spare length to reach the OLTM equipment in the CIWC. TELIGENT shall deliver and maintain such strands wholly at its own expense. Upon verbal request by TELIGENT to CBT, CBT will allow TELIGENT access to the Fiber-Meet entry point for maintenance purposes as promptly as possible after CBT's receipt of such request.

3.3.5 TELIGENT shall designate a manhole or other suitable entry-way immediately outside the MISC as a Fiber-Meet entry point and shall make all necessary preparations to receive, and to allow and enable CBT to deliver, fiber optic facilities into that manhole with sufficient spare length to reach the OLTM equipment in the MISC. CBT shall deliver and maintain such strands wholly at its own expense. Upon verbal request by CBT to TELIGENT, TELIGENT will allow CBT access to the Fiber-Meet entry point for maintenance purposes as promptly as possible after TELIGENT's receipt of such request.

3.3.6 TELIGENT shall pull the fiber optic strands from the TELIGENT-designated manhole/entry-way into the MISC and through appropriate internal conduits TELIGENT utilizes for fiber optic facilities and shall connect the CBT strands to the OLTM equipment TELIGENT has installed in the MISC.

3.3.7 CBT shall pull the fiber optic strands from the CBT-designated manhole/entry-way into the CIWC and through appropriate internal conduits CBT utilizes for fiber optic facilities and shall connect the TELIGENT strands to the OLTM equipment CBT has installed in the CIWC.

3.3.8 Each Party shall use its best efforts to ensure that fiber received from the other Party will enter that Party's Switching Center or Wire Center through a point separate from that through which such Party's own fiber exited. CBT shall consider the construction of a separate entrance facility as a means to achieve requested redundancy but CBT is not obligated to agree to such construction.

3.3.9 For Fiber-Meet arrangements, each Party will be responsible for (i) providing its own transport facilities to the Fiber-Meet and (ii) the cost to build-out its facilities to such Fiber-Meet.

3.4 Additional Interconnection in Existing LATA. If TELIGENT wishes to establish additional Interconnection Points in any LATA, then TELIGENT will provide notice to CBT consistent with the notice provisions of Section 3.4.1 and Section 3.4.2. The Interconnection Activation Date shall be consistent with the provisions of Section 3.4.2. If TELIGENT deploys additional switches in the LATA after the Effective Date or otherwise desires to establish Interconnection with additional CBT Central Offices, TELIGENT shall be entitled to establish such Interconnection and the terms and conditions of this Agreement shall apply to such Interconnections. If either Party establishes an additional Tandem Switch within the LATA, the Parties shall jointly determine the requirements regarding the establishment and maintenance of separate trunk group connections and the sub-tending arrangements relating to Tandem Switches and End Offices that serve the other Party's Customers within the Exchange Areas served by such Tandem Switches.

3.4.1 Except for when TELIGENT elects Collocation as an Interconnection method or elects a network architecture that requires CBT to Interconnect with TELIGENT's facilities via Collocation (such Collocation by CBT to be established under a separate agreement as set forth in Section 3.2.3), TELIGENT shall provide written notice to CBT of its need to establish Interconnection in such LATA pursuant to this Agreement, if TELIGENT desires to establish additional Interconnection Points within the LATA .

3.4.2 The notice provided in **Section 3.4.1** shall include (i) the Interconnection Point TELIGENT has designated (or if such Interconnection is pursuant to a Fiber-Meet, the Interconnection Point TELIGENT requests); (ii) TELIGENT's requested Interconnection Activation Date; and (iii) a binding forecast of TELIGENT's trunking requirements, pursuant to **Section 19.5** of this Agreement. Unless otherwise agreed by the Parties, each new Interconnection Activation Date shall be the earlier of (i) the date mutually agreed by the Parties and (ii) the date that is no more than ninety (90) days after the date on which TELIGENT delivered notice to CBT pursuant to **Section 3.4.1**. Within ten (10) Business Days of CBT's receipt of TELIGENT's notice specified in **Section 3.4.1**, CBT and TELIGENT shall confirm the Interconnection Point and the Interconnection Activation Date by attaching a supplementary schedule to **Schedule 2.1**.

3.5 Nondiscriminatory Interconnection. Interconnection shall be equal in quality to that provided by the Parties to themselves or any subsidiary, Affiliate or other person. For purposes of this **Section 3.5**, "equal in quality" means the same technical criteria and service standards that a Party uses within its own network. If TELIGENT requests an Interconnection that is of a different quality than that provided by CBT to itself or any subsidiary, Affiliate or other person, such request shall be treated as a Bona Fide Request and established upon rates, terms and conditions consistent with the Act.

3.6 Network Management.

3.6.1 TELIGENT and CBT shall work cooperatively to install and maintain a reliable network. TELIGENT and CBT shall exchange appropriate information (e.g., maintenance contact numbers, network information, information required to comply with law enforcement and other security agencies of the government, and such other information as the Parties shall mutually agree) to achieve this desired reliability.

3.6.2 TELIGENT and CBT shall work cooperatively to apply sound network management principles by invoking network management controls to alleviate or to prevent congestion.

3.6.3 CBT shall, upon the request of TELIGENT, provide the following network information, subject to any necessary privacy or proprietary safeguards:

- (a) Points of Interconnection available on the CBT network;
- (b) List of all local exchanges, and for each local exchange, the NXXs that are defined as within CBT's "local calling areas";
- (c) Switch locations (including Tandems and End Offices);

3.7 Standard Intervals.

3.7.1 Each Party shall provide the other Party Interconnection in accordance with Section 3.5 and the intervals in Schedule 3.7.

3.8 E9-1-1 Service.

3.8.1 CBT shall provide E9-1-1 Service to TELIGENT's Customers on the same basis that CBT provides E9-1-1 Service to its own Customers in the municipality where such E9-1-1 Service is provided pursuant to the terms and conditions set forth in this **Section 3.8** in each Rate Center in which (i) TELIGENT is authorized to provide local exchange services and (ii) CBT is the E9-1-1 service provider.

3.8.2 Service and Facilities Provided.

- (a) CBT will provide TELIGENT with multiplexing at a designated CBT Central Office at the rates set forth at in the Pricing Schedule. CBT will also provide TELIGENT with trunking from the CBT Central Office to the designated CBT Control Office(s) with sufficient capacity to route TELIGENT's originating E9-1-1 calls over Service Lines to the designated primary PSAP or to designated alternate locations. Such trunking will be provided at the rates set forth in Pricing Schedule. If TELIGENT forwards the ANI information of the calling party to the Control Office, CBT will forward that calling number and the associated street address to the PSAP for display. If no ANI is forwarded by TELIGENT, CBT will display a Central Office identification code for display at the PSAP.
- (b) TELIGENT will provide itself, or lease from a third person, the necessary trunking to route originating E9-1-1 traffic from TELIGENT's Switches to the CBT Control Office(s). The point of Interconnection for TELIGENT's Primary and Diverse Routes, where available, to the multiplexer collocation space and E9-1-1 Control Offices is at the CBT Central Office. If Diverse Routes are not available, CBT shall, at the request of TELIGENT, provide diversity to TELIGENT, and TELIGENT shall pay local channel mileage charges for Diverse Routes as set forth in the Pricing Schedule. TELIGENT will be responsible for determining the proper quantity of trunks from its switches to the CBT Central Office(s). Trunks between the CBT Central Office and the CBT Control Office shall be delivered consistent with time frames that CBT provides itself or other customers, but in no case shall it exceed thirty (30) days. Following delivery, TELIGENT and CBT will cooperate to promptly test all transport facilities between TELIGENT's network and the CBT Control Office to assure proper functioning of the E9-1-1 service.
- (c) CBT will provide to TELIGENT in paper, on diskette or mechanized format information (the "E9-1-1 A&R Information"), and will seek the

appropriate governmental approval if required that will (i) enable TELIGENT to make pre-edits to validate the street addresses of TELIGENT Customers and (ii) specify which E9-1-1 Control Office serves as the jurisdictional E9-1-1 answering point for Customers within the Exchange Areas served by TELIGENT. The E9-1-1 A&R Information will be provided by exchange rate center or community upon request. Until such time as a mechanized process for provision of this information is made available by CBT, CBT shall provide to TELIGENT in a paper format any updates to the E9-1-1 A&R Information on a quarterly basis or as soon as reasonably practicable after such updates occur. CBT will provide TELIGENT the format rules and definitions of E9-1-1 A&R Information at the time it provides such E9-1-1 A&R Information.

- (d) CBT will coordinate access to the CBT ALI database for the initial loading and updating of TELIGENT Customer information. Access coordination will include:
- (1) CBT-provided format requirements and a delivery address for TELIGENT to supply an electronic version of Customer telephone numbers, addresses and other information, both for the initial load and, where applicable, daily updates. CBT shall confirm receipt of this data as described in **Section 3.8.2(g)**;
 - (2) Coordination of error resolution involving entry and update activity;
 - (3) Provisioning of specific E9-1-1 routing information on each access line;
 - (4) Updating the CBT ALI database from paper records of service order activity supplied by TELIGENT is optional. The charge for this service is separate and set forth in the Pricing Schedule under the category "Optional Manual Update"; and
 - (5) Providing TELIGENT with reference data required to ensure that TELIGENT's Customer will be routed to the correct Control Office when originating a E9-1-1 call.
- (e) In the event of a CBT or TELIGENT E9-1-1 trunk group failure, the Party that owns the trunk group will notify, on a priority basis, the other Party of such failure, which notification shall occur within two (2) hours of the occurrence or sooner if required under Applicable Law. The Parties will exchange a list containing the names and telephone numbers of the support center personnel responsible for maintaining the E9-1-1 Service between the Parties.

- (f) CBT will provide the order number and circuit identification code in advance of the service due date.
- (g) TELIGENT or its third-party agent will provide CNA data to CBT for use in entering the data into the E9-1-1 database. The initial CNA data will be provided to CBT in a format prescribed by CBT. TELIGENT is responsible for providing CBT updates to the CNA data and error corrections that may occur during the entry of CNA data to the CBT E9-1-1 Database System. TELIGENT shall reimburse CBT for any additional database charges, if any, incurred by CBT for errors in CNA data updates caused by TELIGENT or its third party agent. CBT will confirm receipt of such data and corrections by the next Business Day by providing TELIGENT with a report of the number of items sent, the number of items entered correctly, and the number of errors.
- (h) TELIGENT will monitor the E9-1-1 circuits for the purpose of determining originating network traffic volumes. TELIGENT will notify CBT if traffic study information indicates that additional circuits are required to meet the current level of E9-1-1 call volumes.
- (i) Incoming trunks for E9-1-1 shall be engineered to assure minimum P.01 grade of service, as measured using the "busy day/busy hour" criteria.
- (j) All E9-1-1 trunks must be capable of transmitting and receiving Baudot code necessary to support the use of Telecommunications Devices for the Deaf ("TTY/TDD"s).
- (k) TELIGENT shall report errors, defects and malfunctions to CBT. CBT shall provide TELIGENT with the point of contact for reporting errors, defects and malfunctions in the service and shall also provide escalation contacts.

3.8.3 Compensation.

In addition to the amounts specified in **Section 3.8.2**, TELIGENT shall compensate CBT as set forth in the Pricing Schedule.

3.8.4 Additional Limitations of Liability Applicable to E9-1-1 Service.

- (a) CBT is not liable for the accuracy and content of CNA data that TELIGENT delivers to CBT. TELIGENT is responsible for maintaining the accuracy and content of that data as delivered. However, as custodian of the data CBT must exercise reasonable care of the data.
- (b) Notwithstanding anything to the contrary contained herein, CBT's liability to TELIGENT and any third person shall be limited to the maximum extent permitted by applicable law.

3.8.5 Database and Network Requirements.

The Implementation Team shall identify that information that TELIGENT must provide CBT so that CBT can provide TELIGENT with the E9-1-1 services described herein.

3.8.6 CBT shall adopt use of a Carrier Code (NENA standard five-character field) on all ALI records received from TELIGENT. The Carrier Code will be used to identify the carrier of record in INP configurations.

ARTICLE IV TRANSMISSION AND ROUTING OF TRAFFIC PURSUANT TO SECTION 251(c)(2)

4.1 Scope of Traffic. Article IV prescribes parameters for trunk groups (the “Local/IntraLATA Trunks”) to be effected over the Interconnections specified in Article III for the transmission and routing of Local Traffic and IntraLATA Toll Traffic between the Parties' respective Telephone Exchange Service Customers.

4.2 Limitations. No Party shall terminate Exchange Access traffic or originate untranslated Toll Free traffic (e.g., 800/888) over Local/IntraLATA Interconnection Trunks.

4.3 Trunk Group Architecture and Traffic Routing. The Parties shall jointly engineer and configure Local/IntraLATA Trunks over the physical Interconnection arrangements as follows:

4.3.1 The Parties shall mutually agree to initially configure either a one (1)-way or two (2)-way trunk group as a direct transmission path through the Interconnection Point(s) specified in Schedule 2.1. TELIGENT shall specify the Digital Signal Level of the trunk facilities (e.g., DSO, DS1 or higher, where available) consistent with the forecasting requirements in Section 19.5.2.

4.3.2 CBT shall ensure that each Tandem connection permits the transport of traffic to all End Offices that sub-tend such Tandem to which transport is technically feasible. Each Party shall establish and maintain separate logical trunk groups connected to each CBT Tandem that serves, or is sub-tended by End Offices that serve, Customers within the Exchange Areas served by such Tandem Switches. Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

4.3.3 Tandem Exhaust. If a Tandem through which the Parties are Interconnected is unable to, or is forecasted to be unable to, support additional traffic loads for any Busy Season, the Parties will mutually agree on an End Office trunking plan that will alleviate the Tandem capacity shortage and ensure completion of traffic between TELIGENT and CBT Customers. For purposes of this Agreement, “**Busy Season**” means any three (3) consecutive month period.

4.3.4 Traffic Volume. The Parties will install and retain direct End Office trunking sufficient to handle actual or reasonably forecasted traffic volumes, whichever is greater, between a TELIGENT switching center and a CBT End Office where traffic exceeds or is forecast to exceed five hundred (500) Busy Hour CCS or nine hundred (900) busy hour minutes of use for a six (6)-week period. The Parties will install additional capacity between such points when overflow traffic between the TELIGENT switching center and CBT access Tandem exceeds or is forecast to exceed five hundred (500) Busy Hour CCS or nine hundred (900) busy hour minutes of use for such six (6)-week period.

4.3.5 Mutual Agreement. As mutually agreed upon by the Parties, the Parties may install additional direct End Office trunking in the absence of the conditions set forth in Sections 4.3.3 and 4.3.4 above.

4.4 Signaling.

4.4.1 Where available, Common Channel Interoffice Signaling ("CCIS") signaling shall be used by the Parties to set up calls between the Parties' Telephone Exchange Service networks. Each Party shall supply Calling Party Number ("CPN") within the SS7 signaling message, if available. If CCIS is unavailable, MF ("Multi-Frequency") signaling shall be used by the Parties. Each Party is responsible for providing its portion of the signaling links and ports on its STPs necessary to provide CCIS signaling to support the exchange of traffic under this Agreement.

4.4.2 Each Party is responsible for requesting Interconnection to the other Party's CCIS network where SS7 signaling on the trunk group(s) is desired. Each Party shall connect to a pair of access STPs where traffic will be exchanged or shall arrange for signaling connectivity through a third-party provider that is connected to the other Party's signaling network. The Parties shall establish Interconnection at the STP.

4.4.3 The Parties will cooperate on the exchange of Transactional Capabilities Application Part ("TCAP") messages to facilitate interoperability of CCIS-based features between their respective networks, including all CLASS features and functions, to the extent each Party offers such features and functions to its Customers. All CCIS signaling parameters where applicable will be provided, including Calling Party Number ("CPN"), Originating Line Information ("OLI"), calling party category and charge number. For terminating Exchange Access, such information shall be passed by a Party to the extent that such information is provided to such Party.

4.4.4 Where available, and upon the request of the other Party, each Party shall cooperate to ensure that its trunk groups are configured utilizing the B8ZS ESF protocol for 64-Kbps clear channel transmission to allow for ISDN interoperability between the Parties' respective networks.

4.5 Grades of Service. The Parties shall initially engineer and shall jointly monitor and enhance all trunk groups. A blocking standard of one-half of one percent (0.005) for all final trunk group traffic via tandem and a blocking standard of one percent (0.01) during the average

busy hour for all other final trunk group traffic, as defined by industry standards, shall be maintained.

4.6 Measurement and Billing. The Parties shall measure Interconnection in accordance with this **Section 4.6** and bill in accordance with **Article XXVII** and this **Section 4.6**.

4.6.1 For billing purposes, each Party shall pass Calling Party Number ("CPN") information on each call that it originates over the Local/IntraLATA Trunks; provided that all calls exchanged without CPN information shall be billed as either Local Traffic or IntraLATA Toll Traffic based upon a percentage of local usage ("PLU") factor calculated based on the amount of actual volume during the preceding three (3) months. The factors will be reevaluated every three (3) months and provided to the other Party within twenty (20) calendar days after the end of each quarter. If a PLU factor is not provided, the one already in effect stays in effect (i.e., no default). If either Party fails to pass at least ninety percent (90%) of calls with CPN that it originates within a monthly period on a specific trunk, then either Party may require that separate trunk groups for Local Traffic and IntraLATA Toll Traffic and, if applicable, Exchange Access Traffic be established for that specific trunk.

4.6.2 TELIGENT and CBT agree to exchange such reports and/or data as provided in this **Section 4.6** to facilitate the proper billing of traffic. Either Party may request an examination pursuant to **Section 28.2** of such usage reports upon thirty (30) days written notice. Such examination shall be requested within six (6) months of having received the PLU factor and usage reports from the other Party and shall be performed during Normal Business Hours.

4.6.3 Measurement of Telecommunications traffic billed hereunder shall be (i) in actual conversation time for Local Traffic, and (ii) in accordance with applicable tariffs for all other types of Telecommunications traffic. The total conversation seconds will be totaled for the entire monthly bill cycle and then rounded to the next whole minute.

4.7 Reciprocal Compensation Arrangements -- Section 251(b)(5). Compensation for the transport and termination of Local Traffic and IntraLATA Toll Traffic shall be pursuant to this **Section 4.7**. Compensation for the transport and termination of any Exchange Access Traffic shall be pursuant to **Article VI**.

4.7.1 Reciprocal Compensation applies for transport and termination of Local Traffic billable by CBT or TELIGENT that a Telephone Exchange Service Customer originates on CBT's or TELIGENT's network for termination on the other Party's network. The Parties shall compensate each other for such transport and termination of Local Traffic at the rates provided in the Pricing Schedule; provided, however, that compensation for local traffic will be reciprocal and symmetrical. The Party on whose network the call originates shall pay the Party on whose network the call terminates as follows: (a) Local traffic between the Parties on trunks between TELIGENT's switch and CBT's tandem switch will be rated as Tandem switched calls (utilizing the tandem switching, tandem transport facility mileage and end office local termination rate elements), and (b) Local traffic on direct trunks between CBT's end office switches and TELIGENT's switch will be rated as End Office to End Office calls (utilizing the end office local termination rate element).

4.7.2 The Reciprocal Compensation arrangements set forth in this Agreement are not applicable to Switched Exchange Access Service. All Switched Exchange Access Service and all IntraLATA Toll Traffic shall continue to be governed by the terms and conditions of the applicable federal and state tariffs.

4.7.3 Each Party shall charge the other Party its effective applicable federal-and state-tariffed IntraLATA FGD-switched access rates for the transport and termination of all IntraLATA Toll Traffic.

ARTICLE V TRANSMISSION AND ROUTING OF EXCHANGE ACCESS TRAFFIC PURSUANT TO 251(c)(2)

5.1 Scope of Traffic. Article V prescribes parameters for certain trunk groups (“**Access Toll Connecting Trunks**”) to be established over the Interconnections specified in Article III for the transmission and routing of Exchange Access traffic and non-translated 800 traffic between TELIGENT Telephone Exchange Service Customers and Interexchange Carriers. Notwithstanding anything to the contrary contained herein, compensation for routing of Exchange Access traffic shall be pursuant to Article VI.

5.2 Trunk Group Architecture and Traffic Routing.

5.2.1 The Parties shall jointly establish Access Toll Connecting Trunks between TELIGENT and CBT by which they will jointly provide Tandem-transported Switched Exchange Access Services to Interexchange Carriers to enable such Interexchange Carriers to originate and terminate traffic from and to TELIGENT's Customers.

5.2.2 Access Toll Connecting Trunks shall be used solely for the transmission and routing of Exchange Access and non-translated Toll Free traffic (e.g., 800/888) to allow TELIGENT's Customers to connect to or be connected to the interexchange trunks of any Interexchange Carrier that is connected to the CBT access Tandem.

5.2.3 The Access Toll Connecting Trunks shall be one-way or two-way trunks, as mutually agreed, connecting an End Office Switch that TELIGENT utilizes to provide Telephone Exchange Service and Switched Exchange Access Service in the given LATA to an access Tandem Switch CBT utilizes to provide Exchange Access in the LATA.

5.3 Logical Trunk Groups. In the LATA identified on Schedule 2.1, each TELIGENT Switching Center Switch in that LATA shall subtend the CBT access Tandem in that LATA via logical trunk groups, as provided in Section 4.3.2.

5.4 End Office Access. Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

ARTICLE VI
MEET-POINT BILLING ARRANGEMENTS

6.1 Meet-Point Billing Services.

6.1.1 Pursuant to the procedures described in Multiple Exchange Carrier Access Billing ("MECAB") document SR-BDS-000983, issue 5, June 1994, the Parties shall provide to each other the Switched Access Detail Usage Data and the Switched Access Summary Usage Data to bill for jointly provided switched access service, such as switched access Feature Groups B and D. The Parties agree to provide this data to each other at no charge. If the procedures in the MECAB document are amended or modified, the Parties shall implement such amended or modified procedures within a reasonable period of time. Each party shall provide the other Party the billing name, billing address, and carrier identification ("CIC") of the IXCs that may utilize any portion of either Party's network in a TELIGENT/CBT MPB arrangement in order to comply with the MPB Notification process as outlined in the MECAB document. Each Party will be entitled to reject a record that does not contain a CIC code.

6.1.2 TELIGENT shall designate the access Tandem or any other reasonable facilities or points of Interconnection for the purpose of originating or terminating IXC traffic. For the access Tandem designated, the Parties shall mutually agree upon a billing percentage as set forth in Schedule 6.0 and shall further agree, within thirty (30) days of the Effective Date, upon billing percentages for additional routes, which billing percentages shall be set forth in Schedule 6.0 as amendments hereto. Either Party may make this billing percentage information available to IXCs. The billing percentages shall be calculated according to one of the methodologies specified for such purposes in the MECAB document.

6.1.3 The Parties shall undertake all reasonable measures to ensure that the billing percentage and associated information are maintained in their respective federal and state access tariffs, as required, until such time as such information can be included in the National Exchange Carrier Association ("NECA") FCC Tariff No. 4.

6.1.4 Each Party shall implement the "**Multiple Bill/Multiple Tariff**" option in order to bill the IXC for each Party's own portion of jointly provided Telecommunications Service.

6.2 Data Format and Data Transfer.

6.2.1 Necessary billing information will be exchanged on magnetic tape or via electronic data transfer using the Exchange Message Record ("EMR") format. CBT has two (2) billing systems, each of which has a fixed billing period. Resale and Unbundled Ports will be in the 1st CRIS billing period every month; and, unbundled loops will be in the 7th CABS billing period every month. These billing periods coincide with current CABS and CRIS billing procedures. CABS bills are currently received via NDM and CRIS bills will be sent via NDM, if requested by TELIGENT. Bill Data Tapes will be shipped overnight.

6.2.2 TELIGENT shall provide to CBT, on a monthly basis, the Switched Access Summary Usage Data (category 1150XX records), via electronic data transfer using a mutually agreed upon format.

6.2.3 CBT shall provide to TELIGENT, on a daily basis, the Switched Access Detail Usage Data (category 1101XX records) via daily electronic data transfer via dedicated dial-up, using EMR format. In any event, CBT shall provide the information on magnetic tape no later than ten (10) calendar days from the usage recording date. CBT and TELIGENT shall use best efforts to utilize electronic data transfer.

6.2.4 Each Party shall coordinate and exchange the billing account reference ("BAR") and billing account cross reference ("BACR") numbers for the Meet-Point Billing service. Each Party shall notify the other Party if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

6.2.5 When CBT records on behalf of TELIGENT and Access Detail Usage Data is not submitted to TELIGENT by CBT in a timely fashion or if such Access Detail Usage Data is not in proper format as previously defined and if as a result TELIGENT is delayed in billing IXC, then late payment charges will be payable by CBT to TELIGENT. Late payment charges will be calculated on the total amount of late access usage charges at the rate of 0.000493% per day (annual percentage rate of eighteen percent (18%)) compounded daily for the number of days late.

6.2.6 If Summary Access Usage Data is not submitted to CBT in a timely fashion or if it is not in proper format as previously defined and if as a result CBT is delayed in billing IXC, then late payment charges will be payable by TELIGENT to CBT. Late payment charges will be calculated on the total amount of late access usage charges at the rate of 0.000493% per day (annual percentage rate of eighteen percent (18%)) compounded daily for the number of days late. Excluded from this provision will be any detailed usage records not provided by the subsequent billing company in a timely fashion.

6.3 Errors or Loss of Access Usage Data.

6.3.1 Errors may be discovered by TELIGENT, the IXC or CBT. Each Party agrees to use reasonable efforts to provide the Other Party with notification of any discovered errors within two (2) Business Days of such discovery. A Party may recover against the other Party due to errors or loss of access usage whenever a Party's IXC customer successfully asserts any claim for which the Party making the error is responsible.

6.3.2 In the event of a loss of data, both Parties shall cooperate to reconstruct the lost data. If such reconstruction is not possible, the Parties shall use a reasonable estimate of the lost data, based on three (3) months of prior usage data. In the event three (3) months of prior usage data is not available, the Parties shall defer such reconstruction until three (3) months of prior usage data is available.

6.4 Payment. The Parties shall not charge one another for the services rendered pursuant to this **Article VI**.

6.5 Additional Limitation of Liability Applicable to Meet-Point Billing Arrangements. In the event of errors, omissions, or inaccuracies in data received from a Party, the Party providing such data shall provide corrected data. If data is lost, such providing Party will develop a substitute based on past usage, as set forth in Section 6.3.2; provided, however, that the Party responsible for the lost data shall credit the other Party for any amounts billed pursuant to data developed as described in Section 6.3.2 and not paid by the IXC to whom such usage has been billed.

ARTICLE VII BLV/BLVI TRAFFIC

7.1 Busy Line Verification. Busy Line Verification (“BLV”) is performed when one Party's Customer requests assistance from the operator bureau to determine if the called line is in use; provided, however, the operator bureau will not complete the call for the Customer initiating the BLV inquiry. Only one BLV attempt will be made per Customer operator bureau call.

7.2 Busy Line Verification Interrupt. Busy Line Verification Interrupt (“BLVI”) is performed when one Party's operator bureau interrupts a telephone call in progress after BLV has occurred. The operator bureau will interrupt the busy line and inform the called party that there is a call waiting. The operator bureau will only interrupt the call and will not complete the telephone call of the Customer initiating the BLVI request. The operator bureau will make only one BLVI attempt per Customer operator telephone call, and the applicable charge applies whether or not the called party releases the line.

7.3 BLV/BLVI Traffic. Each Party's operator bureau shall accept BLV and BLVI inquiries from the operator bureau of the other Party in order to allow transparent provision of BLV/BLVI Traffic between the Parties' networks. Each Party shall route BLV/BLVI Traffic inquiries over separate direct trunks (and not the Local/IntraLATA Trunks) established between the Parties' respective operator bureaus. Unless otherwise mutually agreed, the Parties shall configure BLV/BLVI trunks over the Interconnection architecture defined in Article III.

7.4 BLV/BLVI Compensation. Each Party shall compensate the other Party for BLV/BLVI traffic as set forth in the pricing schedule.

ARTICLE VIII TRANSIT SERVICE

8.1 Transit Service. CBT shall provide TELIGENT Transit Service as provided in this Article VIII.

8.2 Transit Service Defined. “Transit Service” means the delivery of Local Traffic and IntraLATA Toll Traffic between TELIGENT and a third-party LEC or CMRS provider by CBT over the Local/IntraLATA Trunks.

8.3 Compensation for Transit Service. The Parties shall compensate each other for Transit Service as follows:

- (a) Each party acknowledges that CBT has no responsibility to pay any third party LEC or CMRS provider for termination of any transit traffic. CBT will not pay such charges on behalf of the originating party unless CBT acts as the primary toll carrier ("PTC"), see (c)(1) below.
- (b) For Local Traffic and IntraLATA Toll Traffic originating from TELIGENT that is delivered over the Transit Service ("Transit Traffic") TELIGENT shall pay to CBT a Transit Service charge as set forth in the Pricing Schedule. TELIGENT is responsible for paying any termination charges imposed by the third party carrier;
- (c) For Local Traffic and IntraLATA Toll Traffic originating from a third party LEC or CMRS provider that is delivered to TELIGENT over the Transit Service.
 - (1) For IntraLATA Toll Traffic that is subject to a PTC arrangement, CBT shall deliver such IntraLATA Toll Traffic to TELIGENT in accordance with the terms and conditions of such PTC arrangement;
 - (2) For Local Traffic and IntraLATA Toll Traffic where CBT has a transiting arrangement with such third-party LEC or CMRS provider that authorizes CBT to deliver such traffic to TELIGENT ("Other Party Transit Agreement"), then CBT shall deliver such traffic to TELIGENT in accordance with the terms and conditions of such Other Party Transit Agreement, and such third-party LEC or CMRS provider (and not TELIGENT) shall be responsible to pay CBT the applicable Transit Service charge. TELIGENT is to bill any termination charges solely to the third party carrier.

8.4 Duration of Obligation The Parties agree that it is the responsibility of each third-party LEC or CMRS provider to enter into arrangements with other LECs or CMRS providers to deliver Local Traffic and IntraLATA Toll Traffic where CBT does not act as the PTC for the originating LEC. Notification of effective third party agreements must be provided to CBT. The parties acknowledge that such agreements and actual measuring capability may not be currently in place. In the interim, therefore, if the terminating party is unable to determine the originator of the transit traffic, the terminating party may request that CBT provide billing information to permit billing the third party (i.e., the call originator). To the extent CBT incurs additional cost in providing billing data, CBT will provide an estimate of those costs. If the receiving party accepts the estimate and agrees to reimburse CBT, the billing data will be provided.

8.5 Signaling. To the extent that networks involved in transit traffic deliver calls with CCIS and the appropriate Transactional Capabilities Application Part ("TCAP") message, CBT will deliver such information to the terminating third-party LEC or CMRS provider. In all cases, TELIGENT is responsible to follow the EMR standard and exchange records with both CBT and the terminating LEC or CMRS provider to facilitate the billing process to the originating network.

8.6 Obligations of Terminating Carrier As provided in this Article VIII, CBT, as the transit service provider, will not pay any terminating charges behalf of the originating LEC or CMRS provider. The terminating LEC or CMRS provider is responsible for billing the originator of the traffic, and not CBT, for terminating charges.

**ARTICLE IX
UNBUNDLED ACCESS -- SECTION 251(c)(3)**

9.1 Access to Network Elements.

9.1.1 CBT shall provide TELIGENT access to CBT's Network Elements on an unbundled basis at any technically feasible point in accordance with the terms and conditions of this Article IX. CBT shall provide TELIGENT access to each unbundled Network Element, along with all of such unbundled Network Element's features, functions and capabilities in accordance with the terms and conditions of Article II, in a manner that shall allow TELIGENT to provide any Telecommunications Service that can be offered by means of that Network Element; provided that the use of such Network Element is consistent with the Act.

9.1.2 Notwithstanding anything to the contrary in this Article IX, CBT shall not be required to provide Network Elements to TELIGENT if:

- (1) The Commission concludes that:
 - (a) such Network Element is proprietary or contains proprietary information that will be revealed if such Network Element is provided to TELIGENT on an unbundled basis; and
 - (b) TELIGENT could offer the same proposed Telecommunications Service through the use of other, nonproprietary means; or
- (2) The Commission concludes that the failure of CBT to provide access to such Network Element would not impair the ability of TELIGENT to provide the Telecommunications Service TELIGENT seeks to offer.

9.1.3 CBT shall be required to make available Network Elements, including facilities and software necessary to provide such Network Elements, where available. If CBT makes available Network Elements that require special construction, TELIGENT shall pay to CBT any applicable special construction charges, as determined in accordance with the Act. The Parties shall mutually agree on the nature and manner of any required special construction, the applicable charges thereto and the negotiated interval(s) that will apply to the provisioning of such Network Element(s) in lieu of the standard intervals set forth on Schedule 9.10.

9.1.4 CBT shall permit TELIGENT to connect TELIGENT's facilities or facilities provided to TELIGENT by third parties with each of CBT's unbundled Network Elements at any point on CBT's network designated by TELIGENT that is technically feasible.

9.2 Network Elements. Until the earlier of (i) expiration of all previously executed interconnection agreements with other carriers pursuant to which CBT provides the same Network Elements, or (ii) the Federal Communications Commission promulgate new rules specifying the mandatory unbundled Network Elements in accordance with the remand instructions of the United States Supreme Court, whichever Occurs sooner, at the request of TELIGENT, CBT shall provide TELIGENT access to the following Network Elements on an unbundled basis:

9.2.1 Local Loops, as more fully described on Schedule 9.2.1;

9.2.2 The Network Interface Device, as more fully described on Schedule 9.2.2;

9.2.3 Switching Capability, as more fully described on Schedule 9.2.3;

9.2.4 Interoffice Transmission Facilities, as more fully described on Schedule 9.2.4;

9.2.5 Signaling Links and Call-Related Databases, as more fully described on Schedule 9.2.5;

9.2.6 Operations Support Systems ("OSS") functions as more fully described on Schedule 9.2.6; and

9.2.7 Operator Services and Directory Assistance, as more fully described on Schedule 9.2.7.

When the Federal Communications Commission promulgates new rules specifying the mandatory unbundled Network Elements in accordance with the remand instructions of the United States Supreme Court, the parties shall revise this agreement to conform the list of required Network Elements to such rules.

9.3 Combination of Network Elements.

9.3.1 CBT shall provide Network Elements as specified in Schedule 9.3.2 to TELIGENT in a manner that shall allow TELIGENT to combine such Network Elements (a "Combination") with TELIGENT services or elements in order to provide a Telecommunications Service.

9.3.2 CBT shall make available to TELIGENT the following Combinations as described in Schedule 9.3.2 at the rates set forth in the Pricing Schedule for so long as CBT provides the same Combinations pursuant to a previously executed interconnection agreement with another carrier, or as otherwise ordered by the Commission. Combinations that include the "Unbundled Local Loop" will be priced and configured with the Two Wire Analog Voice Grade Loop Element as described in Schedule 9.2.1.

9.3.2.1 Loop Combination.

9.3.2.2 Loop/Transport Combination #1. (VG Interface)

9.3.2.3 Loop/Transport Combination #2. (DS1 Interface)

9.3.3 Any request by TELIGENT for CBT to provide any Combination other than as set forth in Section 9.3.2, to combine the unbundled Network Elements of CBT with TELIGENT or to perform any other function under this Section 9.3 shall be made by TELIGENT in accordance with Section 9.6.

9.4 Nondiscriminatory Access to and Provision of Network Elements.

9.4.1 The quality of an unbundled Network Element, as well as the quality of the access to such unbundled Network Element that CBT provides to TELIGENT, shall be (i) the same for all Telecommunications Carriers requesting access to such Network Element; and (ii) at least equal in quality to that which CBT provides to itself, its subsidiaries, affiliates or any other person, unless CBT proves to the Commission that it is not technically feasible to provide the Network Element requested by TELIGENT, or access to such Network Element at a level of quality that is equal to that which CBT provides itself.

9.4.2 CBT shall provide TELIGENT access to Network Elements, on terms and conditions no less favorable than the terms and conditions under which CBT provides such elements to itself, its subsidiaries, affiliates and any other person, including the time within which CBT provisions such access to Network Elements, except as may be provided by the Commission pursuant to Section 9.1.2.

9.5 Provisioning of Network Elements.

9.5.1 CBT shall provide TELIGENT unbundled Network Elements as set forth on Schedule 9.5.

9.5.2 CBT shall provide TELIGENT access to CBT's pre-ordering, ordering, provisioning, maintenance and repair, and billing functions that relate to the Network Elements that TELIGENT purchases hereunder. Access to such functionalities for the Operations Support Systems functions shall be as provided in Schedule 9.2.6 and the Implementation Plan.

9.5.3 Prior to submitting an order for a Network Element that replaces, in whole or in part, a service offered by CBT or any other telecommunications provider for which CBT changes a primary local exchange carrier, TELIGENT shall comply with the requirements of Section 10.11.1.

9.5.4 CBT and TELIGENT shall coordinate cutover of customer lines as described in Schedule 9.5.4

9.6 Availability of Additional or Different Quality Network Elements. Any request by TELIGENT for access to a Network Element or a Combination or a standard of quality thereof that is not otherwise provided by the terms of this Agreement at the time of such request shall be made pursuant to a Bona Fide Request, as described in Schedule 2.2, and shall be subject to the payment by TELIGENT of all applicable costs in accordance with Section 252(d)(1) of the Act to process, develop, and install and provide such Network Element or access.

9.7 Pricing of Unbundled Network Elements.

9.7.1 CBT shall charge TELIGENT the non-recurring (including any applicable connection charges) and monthly recurring rates for unbundled Network Elements (including the monthly recurring rates for those specific Network Elements, service coordination fee and Cross-Connect charges) as specified in the Pricing Schedule. If TELIGENT requests or approves a CBT technician to perform services in excess of or not otherwise detailed in the Pricing Schedule, CBT may charge TELIGENT for any additional and reasonable labor charges to perform such services. For the purposes of this Agreement "**Line Connection Service**" means any non-recurring activity performed at the CBT Central Office or the CBT side of the network interface required to connect a specified Network Element to any Customer- or end user-provided element or required to interconnect contiguous Network Elements.

9.7.2 If TELIGENT orders a Combination identified in **Section 9.3.2** and the provision of any such Combination requires CBT to modify any of its existing systems, service development processes or its network (beyond that required for CBT to provision its own retail services) to provide access to such Combination, TELIGENT shall be required to compensate CBT for any costs incurred to provide access to such Combination.

9.7.3 Subject to **Sections 29.3, 29.4** and **29.5** and subject to changes to tariff rates and charges which are incorporated by reference in this Agreement, the rates and charges set forth or identified in this Agreement are inclusive, and no other charges apply.

9.8 Billing. CBT shall bill TELIGENT for access to unbundled Network Elements pursuant to the requirements of **Article XXVII** to this Agreement.

9.9 Maintenance of Unbundled Network Elements.

9.9.1 If (i) TELIGENT reports to CBT a suspected failure of a Network Element, (ii) TELIGENT requests a dispatch, (iii) CBT dispatches a technician, and (iv) such trouble was not caused by CBT's facilities or equipment, then TELIGENT shall pay CBT a maintenance of service charge as set forth in the Pricing Schedule.

9.9.2 CBT shall provide TELIGENT maintenance of unbundled Network Elements provided by CBT hereunder on terms and conditions no less favorable than CBT provides for itself, consistent with the Act.

9.10 Standard Intervals.

9.10.1 CBT shall provide to TELIGENT access to unbundled Network Elements in accordance with the standard intervals in **Schedule 9.10** (including any service levels and intervals that may be requested by TELIGENT and agreed upon by the Parties pursuant to a Bona Fide Request).

ARTICLE X
RESALE AT WHOLESALE RATES -- SECTION 251(c)(4)
RESALE AT RETAIL RATES -- SECTION 251(b)(1)

10.1 Telecommunications Services Available for Resale at Wholesale Rates.

Commencing on the date on which the Commission approves this Agreement, at the request of TELIGENT, CBT will make available to TELIGENT for resale at wholesale rates those Telecommunications Services that CBT provides at retail to subscribers who are not Telecommunications Carriers, as required in Section 251(c)(4) of the Act. Subject to the terms, conditions and limitations set forth in this Agreement, CBT will make available to TELIGENT for such resale all Telecommunications Services which it offers to its retail Customers, including the following categories of Telecommunications Services (the "**Wholesale Resale Services**"):

- (i) Local Service - Residence, as described in the applicable tariff;
- (ii) Local Service - Business, as described in the applicable tariff;
- (iii) Message Toll Service, as described in the applicable tariff;
- (iv) PBX Trunk, as described in the applicable tariff;
- (v) ISDN Basic Rate Interface ("**BRF**"), as described in the applicable tariff;
- (vi) ISDN Primary Rate Interface ("**PRF**"), as described in the applicable tariff;
- (vii) CBT Centrex Service and associated features and functionalities, as described in the applicable tariff;
- (viii) Dedicated Communications Services (i.e., special access), as described in the applicable tariff;
- (ix) DID Services, as described in the applicable tariff; and,
- (x) Customer Owned Pay Telephone Services, as described in the applicable tariff.

The Wholesale Resale Services shall be made available to TELIGENT at the wholesale discount set forth in the Pricing Schedule. The wholesale discount shall be applied to each rate element of any Telecommunications Services offered at wholesale rates.

10.2 Telecommunications Services Available for Resale at Retail Rates. Each Party shall make available to the other Party its Telecommunications Services for resale at retail rates ("**Retail Resale Services**") in accordance with Section 251(b)(1) of the Act and applicable tariffs.

CBT may, at its sole discretion, make available to TELIGENT under this Agreement services other than those set forth in Section 10.1 (e.g., voicemail) for resale at rates, terms and conditions agreed upon by the Parties.

10.3 Limitations on Availability of Resale Services. The following limitations shall apply to both Wholesale Resale Services and Retail Resale Services (collectively, "**Resale Services**"):

10.3.1 Any Telecommunications Services that CBT offers to existing retail subscribers, but not to new subscribers ("**Grandfathered Services**"), are listed on **Schedule 10.3.1**. **Schedule 10.3.1** may be revised or supplemented from time to time to include those additional services that CBT may, to the extent permitted by Applicable Law, classify as Grandfathered Services. CBT agrees to make Grandfathered Services available to TELIGENT for resale to any Customer of CBT that subscribes to a Grandfathered Service from CBT at the time of its selection of TELIGENT as its primary local exchange carrier; provided, however, that if such Grandfathered Services are provided under a Shared Tenant Service Agreement, such Grandfathered Services shall be available for resale by TELIGENT pursuant to the terms and conditions of such Shared Tenant Service Agreement to all tenants, existing or in the future, in the specific facility subject to such Shared Tenant Service Agreement. If a local Telecommunications Service is subsequently classified as a Grandfathered Service by CBT, CBT agrees to continue to sell such Grandfathered Service (subject to the terms of **Section 10.3.2**) to TELIGENT for resale to TELIGENT's Customers that subscribe to such Grandfathered Service at the time it is so classified by CBT. Grandfathered Services shall be made available to TELIGENT at wholesale rates determined in accordance with the Act. Nothing in this **Section 10.3.1** shall prevent TELIGENT from taking a position before any regulatory body or court of law in opposition to any classification of a service by CBT as a Grandfathered Service.

10.3.2 Any Telecommunications Services that CBT currently intends to discontinue offering to any retail subscriber ("**Withdrawn Services**") are set forth on **Schedule 10.3.2**. **Schedule 10.3.2** may be revised or supplemented from time to time to include those additional Telecommunications Services that CBT may, to the extent permitted by Applicable Law, classify as Withdrawn Services. CBT agrees to make Withdrawn Services available to TELIGENT for resale to TELIGENT's Customers who are subscribers to the Withdrawn Service either from CBT or TELIGENT at the time so classified (subject to the provisions of **Section 10.3.1** if such Withdrawn Service was previously classified as a Grandfathered Service) until the date such service is discontinued. Nothing in this **Section 10.3.2** shall prevent TELIGENT from taking a position before any regulatory body or court of law in opposition to any such withdrawal of service by CBT.

10.3.3 Each Party acknowledges that Resale Services shall be available to TELIGENT on the same basis as offered by CBT to itself or to any subsidiary, affiliate or any other person to which CBT directly provides the Resale Services, including CBT's retail Customers and other resellers of CBT's Telecommunications Services (i) only in those service areas in which such Resale Services (or any feature or capability thereof) are offered by CBT to itself or to any subsidiary, affiliate or any other person, including CBT's retail Customers, and (ii) to the same extent as CBT's retail Telecommunications Services are subject to the availability of facilities.

10.4 Additional Charges for Resale Services. In addition to the rates set forth in the Pricing Schedule, TELIGENT shall pay CBT (i) for any applicable charges or fees, if any, incident to the establishment or provision of the Resale Services requested by TELIGENT, including channel charges, initial non-recurring charges and construction charges, and (ii) the applicable non-discounted end user common line charge, as set forth in F.C.C. No. 35, Section 4, as well as any other non-discounted end-user charges which may be set forth in Commission regulations.

10.5 Restrictions on Resale Services.

10.5.1 Unless provided by the Commission, TELIGENT may not offer Resale Services that are made available only to residential Customers or to a limited class of residential Customers to classes of Customers that are not eligible to subscribe to such services from CBT. The same restrictions which apply to CBT's Retail Services will also apply to those same services when offered for resale.

10.5.2 In the case of promotional offerings, CBT shall apply the wholesale discount to the ordinary rate for a retail service, rather than a special promotional rate, only if:

- (a) Such promotions involve rates that will be in effect for no more than a total of ninety (90) cumulative days over any six (6) month period; and
- (b) Such promotional offerings are not used to evade the wholesale rate obligation.

10.5.3 Notwithstanding the foregoing, CBT is not required to offer the promotional rate to Cellular One during the first ninety (90) days of a promotion that is in effect for more than ninety (90) days within any six (6) month period. If the promotion lasts longer than ninety (90) days or if the promotion reoccurs within any six (6) month period, CBT is required to offer the promotion to Cellular One at the promotional rate, less the wholesale discount, for the period of the promotion in excess of ninety (90) days.

10.5.4 Notwithstanding, Sections 10.1 and 10.2, the following provisions apply to the resale of certain services:

- (a) **Individual Customer Contracts.** CBT is not obligated to resell customer contracts at a wholesale discount. CBT is obligated to resell contracts at the contract rates.
- (b) **Means-Tested Service.** Means-tested services shall be available for resale only to those customers that qualify for such service. Each carrier will be responsible for funding its own Link-Up benefit and is responsible for applying to NECA to receive compensating funds as CBT currently does.
- (c) **Mandated Discounts.** As to any specific discount that CBT is mandated to offer, CBT is not be obliged to offer the mandated discounted service at the mandated discount rate less any wholesale discount. The underlying services will be made available at the tariffed rates less the wholesale discount rate.

10.5.5 The Parties agree that applicable access charges, as established pursuant to methodologies approved by the FCC and/or the Commission, shall apply to Resale Services and shall be collected by CBT.

10.5.6 As provided in the Act, TELIGENT may not purchase Resale Services unless such services are resold to a person other than TELIGENT. TELIGENT may, at its option, purchase from CBT, at wholesale rates, all Telecommunications Services available for resale under the Act and

resell at retail rates such Services to its affiliates and subsidiaries pursuant to the terms and conditions of this Agreement. To the extent that CBT provides Resale Services, at wholesale rates, to its affiliates and subsidiaries for internal purposes, **TELIGENT** may provide such Resale Services to its affiliates and subsidiaries on the same basis.

10.5.7 CBT may impose additional restrictions on **TELIGENT**'s sale of Resale Services only as permitted by the Act, the Commission or the FCC.

10.6 New Resale Services; Changes in Provision of Resale Services. CBT shall, via tariff filings notify **TELIGENT** of any changes in the terms and conditions under which CBT offers Resale Services, including the introduction of any new features, functions, services or promotions, by serving **TELIGENT** with a copy of the tariff filing at the time it is submitted to the Commission. The wholesale rates set forth in the Pricing Schedule shall be adjusted to reflect the appropriate wholesale discount contemporaneous with any retail price change (excluding promotional offerings consistent with **Section 10.5.2**) by CBT.

10.7 Operations Support Systems Functions. CBT shall provide **TELIGENT**, upon **TELIGENT**'s request, nondiscriminatory access to CBT's Operations Support Systems functions for pre-ordering, ordering, provisioning, maintenance and repair and billing, in accordance with the terms and schedules established in the Commission's Arbitration Award in Case No. 97-152-TP-ARB, August 14, 1997 ("**Arbitration Award**"). CBT shall provide **TELIGENT** advance written notice of any material changes to CBT operating support systems functions.

10.8 Nondiscriminatory Provision of Resale Services.

10.8.1 Resale Services made available by CBT for resale hereunder shall be equal in quality to that provided by CBT to itself or to any subsidiary, affiliate or any other person to which CBT directly provides the Resale Service, including CBT's retail Customers. Access to Operations Support Systems functions for ordering provisioning, repair, and maintenance and billing shall be of equivalent function to that provided by CBT to itself, or to any subsidiary, affiliate or any other person to which CBT directly provides such access.

10.8.2 CBT shall provision Resale Services with the same timeliness that such Resale Services are provisioned to CBT's subsidiaries, affiliates or other persons to whom CBT directly provides the Resale Service, including CBT's retail Customers.

10.8.3 CBT shall provide to **TELIGENT** equivalent functionality of blocking calls (e.g., 700, 900 and 976) and Billed Number Screening ("**BNS**"), including necessary LIDB updates, or equivalent service for blocking completion of bill-to-third party and collect calls to the extent that such functionalities are provided to CBT's retail Customers.

10.9 Standard Intervals.

10.9.1 CBT shall provide Resale Services to **TELIGENT** (i) in accordance with Section 10.8 and the standard interval guidelines in **Schedule 10.9**.

10.10 Branding.

10.10.1 If Operator Call Completion or Directory Assistance Service is a feature of an offered Resale Service, then CBT shall unbrand or rebrand such features of such offered Resale Service as requested by TELIGENT for TELIGENT's Customers via separate trunk groups, line class codes or any other technically feasible method. If CBT demonstrates to the Commission that it cannot comply with TELIGENT's rebranding request, the Parties may propose to the Commission, for its approval, an alternative solution (e.g., unbranding). Requests for additional customized routing shall be done via the BFR process.

10.10.2 Upon TELIGENT's request, CBT shall make available to TELIGENT the ability to route:

- (i) Local Directory Assistance calls dialed by TELIGENT's Customers directly to TELIGENT Directory Assistance Services platform, to the extent such routing is technically feasible; and
- (ii) Local Operator Services calls dialed by TELIGENT Customers directly to the TELIGENT Local Operator Services platform. Such traffic shall be routed over trunk groups between CBT End Offices and the TELIGENT Local Operator Services platform, using standard Operator Services dialing protocols of 0-, to the extent such routing is technically feasible.

The routing capabilities described above will be implemented according to the Implementation Plan. To the extent technically feasible, all direct routing capabilities described in this **Section 10.10.2** shall permit TELIGENT Customers to dial the same telephone numbers for CBT Directory Assistance and Local Operator Service that similarly situated CBT Customers dial for reaching equivalent CBT services.

10.10.3 Notwithstanding anything to the contrary in this Agreement, the Parties agree that CBT shall have no obligation to unbrand or rebrand its service technicians or trucks, any customer premises equipment, other customer-owned facilities or its outside plant.

10.10.4 TELIGENT shall not, without CBT's prior written consent, offer any Resale Service to any Customer under any brand name of CBT, its subsidiaries or its affiliates, nor shall TELIGENT state or imply that there is any joint business association or any similar arrangement with CBT in the provision of Resale Service to TELIGENT's Customers, except to the extent TELIGENT deems it necessary to advise its Customers that CBT's personnel will perform work on behalf of TELIGENT under this Agreement or that some facilities used in provisioning service are owned and maintained by CBT; provided, however, TELIGENT shall make no disparaging statements about such facilities or services.

10.10.5 In those instances where TELIGENT requires CBT personnel to interface directly with TELIGENT's Customers, either orally in person or by telephone, or in writing, such personnel shall identify themselves as CBT's employees performing work for TELIGENT.

10.10.6 CBT shall identify any service call materials, including "no access" cards and time-and-materials invoices furnished during service calls by CBT personnel to TELIGENT's Customers by using preprinted cards or stickers provided by TELIGENT, that contain TELIGENT's name/logo, TELIGENT's address, and TELIGENT's customer service telephone number.

10.10.7 In no event shall CBT personnel acting on behalf of TELIGENT pursuant to this Agreement provide information to any existing TELIGENT Customer about CBT products or services, unless mutually agreed in writing by the Parties, or disparage TELIGENT and/or TELIGENT service or products. Upon an inquiry initiated by the customer, CBT personnel may refer the customer to CBT's business office, but in no instance shall CBT personnel provide written literature.

10.10.8 TELIGENT shall pay CBT's costs, if any, pursuant to the pricing standard in Section 252(d)(1) of the Act and in such amounts or levels as determined by the Commission for providing any requested branding under this Section 10.10.

10.11 Primary Local Exchange and Interexchange Carrier Selections.

10.11.1 The Parties shall apply all of the principles set forth in 47 C.F.R. § 64.1100 to the process for Customer selection of a primary local exchange carrier. CBT shall not F13.10 require a disconnect order from a TELIGENT Customer or another LEC in order to process a TELIGENT order for Resale Service for a TELIGENT Customer. CBT shall advise TELIGENT whenever a TELIGENT Customer has selected another primary local exchange carrier by giving notice via an electronic interface within twenty-four (24) hours of the change being provisioned by CBT. Until the FCC or the Commission adopts final rules and procedures regarding selection of a primary local exchange carrier, TELIGENT shall deliver to CBT a representation of authorization in the form set forth on **Schedule 10.11.1** that applies to all orders submitted by TELIGENT under this Agreement that require a primary local exchange carrier change. Such representation of authorization shall be delivered to CBT prior to the first order submitted by TELIGENT hereunder. TELIGENT shall retain on file all applicable Documentation of Authorization (as defined in **Schedule 10.11.1**), including letters of agency or any other method permitted by Applicable Law relating to the Customer's selection of TELIGENT as its primary local exchange carrier. Such documentation shall be available for inspection by a Party or the Commission at its request during Normal Business Hours, when such documentation is at issue.

10.11.2 Carrier Selection Disputes. If any disputes should occur concerning the selection of primary local exchange carriers by the Customers of a Party, the following dispute escalation procedures shall be followed:

- (a) If a Customer denies authorizing a change in his or her primary local exchange carrier selection to a different LEC ("**Unauthorized Switching**"), the Party that initiated the change shall switch that Customer back to the specified Carrier. In the case of unauthorized changes of any Customers to another LEC, the Parties shall follow any Kentucky Public Service Commission Guideline or Regulation in existence and, in any event, shall cooperate to switch the customer back to the specific carrier.

- (b) If CBT reports or otherwise provides information on unauthorized primary local exchange carrier changes to the FCC, the Commission or any other governmental entity, CBT agrees to report on TELIGENT unauthorized primary local exchange carrier changes separately from unauthorized PIC changes.
- (c) The Parties agree that in the event that either (i) the Resale Tariff is withdrawn by CBT or materially revised, or (ii) there is no other Applicable Law relating to Local Exchange Carrier selection disputes, they will promptly meet and negotiate in good faith a revised procedure for resolving carrier selection disputes. If the Parties are unable to agree upon such revised procedure within thirty (30) days of a Party's request to commence the negotiations, the dispute resolution procedures set forth in **Section 28.3** will be implemented.

10.11.3 When CBT receives an order for Resale Service from TELIGENT for TELIGENT's Customer and CBT currently provides resale local exchange Telecommunications Services to another carrier ("**Carrier of Record**") for the same Customer, CBT shall notify such Carrier of Record of such order coincident with processing the order. It shall then be the responsibility of the Carrier of Record and TELIGENT to resolve any issues related to that Customer. TELIGENT agrees to indemnify and hold CBT harmless against any and all Losses that may result from CBT acting under this **Section 10.11.3** to change a Customer to TELIGENT at TELIGENT's direction, if such order is demonstrated to be an Unauthorized Switch.

10.11.4 When notified by TELIGENT or through the Customer Access Record Exchange system ("**CARE**") that a Customer has changed its primary interexchange carrier ("**PIC**") selection only from one IXC to another IXC, CBT shall only provision the PIC change. CBT may modify its process to conform with industry-accepted standards and shall conform with the requirements of the FCC or the Commission. CBT shall bill TELIGENT, not the end-user customer, for the PIC change charge.

10.12 Functionality Required To Support Resale Service.

10.12.1 Directory Listing Requirements. CBT shall make available to TELIGENT for TELIGENT Customers directory listings in accordance with the provisions of **Article XV**.

10.12.2 LEC-Assigned Telephone Calling Card Numbers. Should CBT during the term of this agreement provide LEC assigned telephone calling card numbers, effective thirty (30) days after the date of a Customer's subscription to TELIGENT's service, CBT will block the LEC-assigned telephone line calling card number Line Identification Database ("**LIDB**"), unless otherwise agreed to by the Implementation Team.

10.12.3 Telephone Assistance Programs. Upon conversion to TELIGENT's Resale Service of an existing Telecommunications Assistance Program Customer, no exchange of qualification documentation is necessary. CBT will continue to administer the Telecommunications Assistance Program for the Customer on behalf of TELIGENT. If TELIGENT's Customer is newly qualified for a Telecommunications Assistance Program, TELIGENT must send CBT the necessary qualification documentation.

10.12.4 **Special Services.** If CBT makes a notation on the Customer Service Records (“**CSR**”) of Customers who qualify for certain services available to physically challenged individuals (e.g., special discounts) (“**Special Services**”), CBT shall provide such data to TELIGENT on the CSR made available to CBT for its Customers. For usage by a TELIGENT Customer of a Telephone Relay Service, CBT will provide TELIGENT with all billing information furnished to CBT by the provider of the Telephone Relay Service.

10.12.5 **Law Enforcement Interfaces.** Interfaces with law enforcement agencies and other security matters shall be conducted as specified in **Schedule 10.12.5**.

10.12.6 CBT shall cooperate with TELIGENT to ensure the continued provision of appropriate services necessary to serve TTY/TDD customers when migrating from one carrier to another.

10.13 Service Functions.

10.13.1 **Point of Contact for Resale Purchase Customer.**

- (a) **Primary Point of Contact.** Except as otherwise provided in this Agreement, TELIGENT shall be the primary point of contact for all TELIGENT Customers.
- (b) **Service Referrals.** CBT shall refer all questions from any TELIGENT resale Customer regarding any TELIGENT service or product directly to TELIGENT in accordance with the procedures set forth by the Implementation Team. CBT shall use its best efforts so that all CBT representatives who receive such inquiries regarding TELIGENT services do not in any way disparage or discriminate against TELIGENT or its products or services and do not provide information about CBT products or services during such Customer contact except as described in **Section 10.10.7**.
- (c) **Customer Contact Employee Training.** CBT shall provide training for all its employees who may communicate, either by telephone or face to face, with TELIGENT Customers so that the requirements of this Agreement are met. Furthermore, the same quality standards that CBT requires of its employees when contacting a CBT Customer (e.g., honesty, respect and courtesy) shall apply when its employees are in contact with TELIGENT Customers.

10.13.2 Access To Operations Support Systems Functions — Provisioning.

- (a) Pre-Ordering, Ordering and Provisioning. CBT will provide access to an electronic interface for the transfer and receipt of data necessary to perform the pre-ordering, ordering and provisioning functions (e.g., order entry, telephone number selection and due date selection) associated with Resale Services. The interface will be administered through gateways that will serve as points of contact for the transmission of such data. These gateways will provide for equivalent functionality for pre-ordering, ordering and provisioning (as such items are defined in this Section 10.13.2) as CBT uses in its provision of retail services for the above functions. The interface will be consistent with the Alliance for Telecommunications Industry Solutions (“ATIS”), Telecommunications Industry Forum (“TCIF”), Electronic Data Interchange (“EDI”) Customer Service Guideline, issue 7, (LSOG Version 1.0), and provide the functionality described in Schedule 10.13.2.
- (b) Service Ordering and Provisioning. Service Orders will be placed by TELIGENT and provisioned by CBT in accordance with the procedures described in this Section 10.13. Any Service Order activity resulting in primary local exchange carrier changes will comply with the requirements of 47 C.F.R. § 64.1100 and Section 10.9.1.
- (c) Provisioning Support. CBT shall provide provisioning support to TELIGENT on the same basis CBT provides to its retail Customers. Provisioning support may be expanded as mutually agreed by the Parties.
- (d) Status Reports. After receipt and acceptance of a Service Order, CBT shall provide TELIGENT with service status notices on an exception basis.
- (e) Engineering Support. When requested by TELIGENT, CBT shall provide timely engineering support. TELIGENT shall pay CBT for the use of its engineering services at charges previously agreed to by TELIGENT.
- (f) Requests for Service Changes. Where CBT provides installation, CBT's representatives shall inform a TELIGENT Customer to contact TELIGENT if such Customer requests a service change at the time of installation.
- (g) Non-Interruption of Service. Except as specifically provided in this Agreement or pursuant to an order of a court or commission of competent jurisdiction, CBT may not initiate any disconnect, suspension or termination of a TELIGENT Customer's Resale Service, unless directed to do so by TELIGENT by transmission of a Service Order or CBT's receipt of proper authorization to change such Customer's primary local exchange carrier to a carrier other than TELIGENT.

10.13.3 Access to Operations Support Systems Functions — Maintenance.

- (a) Maintenance and Repair. CBT will provide access to an electronic interface for the transfer and receipt of data necessary to perform the maintenance and repair functions (e.g., trouble receipt and trouble status). This interface will be administered through gateways that will serve as a points of contact for the transmission of such data. These gateways will provide for equivalent functionality for maintenance and repair (as such items are defined in this Section 10.13.3) as CBT uses for maintenance and repair of its retail services.
- (b) Maintenance. Maintenance will be provided by CBT as set forth in the Implementation Plan and in accordance with the requirements set forth in Sections 10.7 and 10.8 and Schedule 10.13.

10.14 Responsibilities of TELIGENT.

10.14.1 TELIGENT shall be responsible for providing to its Customers and to CBT a telephone number or numbers that TELIGENT's Customers can use to contact TELIGENT in the event of service or repair requests. If TELIGENT's Customers contact CBT with regard to such requests, CBT shall inform such Customers that they should call TELIGENT and will provide TELIGENT's contact number to such Customers.

10.14.2 TELIGENT shall provide CBT with accurate and complete information regarding TELIGENT's Customers in a method reasonably prescribed by CBT to allow CBT to keep its Emergency Telephone Number Service database updated, if CBT maintains such a database.

10.14.3 Prior to the Effective Date, TELIGENT shall have received and communicated to CBT its Carrier Identification Code and its Access Carrier Name Abbreviation or Interexchange Access Customer Code and its Operating Company Number.

10.14.4 At the time TELIGENT requests CBT to make Resale Services available to TELIGENT, TELIGENT shall provide CBT written notice of the manner in which TELIGENT will provide Operator Services and Directory Assistance services to its Customers. If TELIGENT elects not to purchase CBT's Operator Service and Directory Assistance services, such written notice shall be provided to CBT not less than ninety (90) days before CBT provides Resale Services to TELIGENT. Thereafter, if TELIGENT elects to provision Operator Services and Directory Assistance services in another manner, TELIGENT shall provide CBT not less than ninety (90) days written notice of its intent to do so.

10.15 Responsibilities of CBT. CBT shall provide access to the following services where CBT is the underlying E9-1-1 service provider:

- (i) Universal Emergency Number service, a telephone exchange communication service that includes lines and equipment necessary for answering, transferring and dispatching public emergency telephone calls originated by persons within the telephone Central Office areas arranged for 9-1-1 calling.

- (ii) Enhanced E9-1-1 ("E9-1-1") service, provides for routing of all 9-1-1 calls originated by Customers having telephone numbers beginning with a given Central Office prefix code or codes to a single PSAP equipped to receive those calls, as well as additional features, such as selective routing of 9-1-1 calls to a specific PSAP that is selected from the various PSAPs serving Customers within that Central Office area.
- (iii) 911 call routing to the appropriate PSAP. CBT shall provide and validate TELIGENT Customer information to the PSAP. CBT shall use its service order process to update and maintain, on the same schedule that it uses for its retail Customers, the TELIGENT Customer service information in the ALI/DMS ("Automatic Location Identification/Data Management System") used to support E9-1-1 services.

Both TELIGENT and its Customers purchasing Resale Service under this Agreement are not charged for calls to the 911 number, except as provided in any applicable tariff or pursuant to Applicable Law.

10.16 Exchange of Billing Information.

10.16.1 CBT shall provide TELIGENT a specific Daily Usage File ("DUF") for Resale Services provided hereunder ("Customer Usage Data"). Such Customer Usage Data shall be recorded by CBT in accordance with EMR Standards. CBT will review the implementation of new standards as appropriate. The DUF shall include specific daily usage, including both Local Traffic and IntraLATA Toll Traffic that CBT currently records, in EMR format, for each individual Resale Service and shall include sufficient detail to enable TELIGENT to bill its Customers for Resale Services provided by CBT. CBT will provide to TELIGENT, in Schedule 10.16, detailed specifications that will enable TELIGENT to develop an interface for the exchange of Customer Usage Data. Procedures and processes, including, but not limited to, those set forth on Schedule 10.16, for implementing the interface will be addressed by the Implementation Team. Except as provided in Section 10.16.4, no other detailed billing shall be provided by CBT to TELIGENT.

10.16.2 Interexchange call detail forwarded to CBT for billing, which would otherwise be processed by CBT, will be returned to the IXC and will not be passed through to TELIGENT. This call detail will be returned to the IXC with a transaction code indicating that the returned call originated from a resold account. If TELIGENT does not wish to be responsible for 900 and 976 calls, it must order blocking for resold lines. When the IXC records the 900 and 976 calls, the call detail will be returned to the IXC.

10.16.3 TELIGENT shall be responsible for providing all billing information to its Customers who purchase Resale Services from TELIGENT.

10.16.4 CBT shall bill TELIGENT for Resale Services provided by CBT to TELIGENT pursuant to the provisions of Article XXVII. CBT shall recognize TELIGENT as the Customer of Record for all Resale Services and will send all notices, bills and other pertinent information directly to TELIGENT. The bill will include sufficient data to enable TELIGENT to (i)

bill all charges to its Customers that are not included as Customer Usage Data and (ii) reconcile the billed charges with the Customer Usage Data.

10.17 Use of Service.

10.17.1 TELIGENT, and not CBT, shall be responsible to ensure that its and its Customers' use of the Resale Services complies at all times with Applicable Law. CBT may refuse to furnish or may disconnect Resale Services of TELIGENT or, as appropriate, to a TELIGENT Customer when:

- (a) An order is issued by a court, the Commission or any other duly authorized agency, finding that probable cause exists to believe that the use made or to be made of a Resale Service is prohibited by Applicable Law, or
- (b) CBT is notified in writing by a law enforcement agency acting within its jurisdiction that any facility furnished by CBT is being used or will be used for the purpose of transmitting or receiving gambling information in interstate or foreign commerce in violation of law.

10.17.2 Termination of Resale Service shall take place after reasonable notice is provided to TELIGENT or as ordered by a court.

10.17.3 If communications facilities have been physically disconnected by law enforcement officials at the premises where located, and if there is not presented to CBT the written finding of a judge, then upon written request of TELIGENT and agreement to pay restoration of Resale Service charges and other applicable charges, CBT shall promptly restore such Resale Service.

10.17.4 To the extent provided under the Telephone Consumer Protection Act (47 U.S.C. § 227) and regulations thereunder, Resale Service shall not be used for the purpose of solicitation by recorded message when such solicitation occurs as a result of unrequested calls initiated by the solicitor by means of automatic dialing devices. Such devices, with storage capability of numbers to be called or a random or sequential number generator that produces numbers to be called and having the capability, working alone or in conjunction with other equipment, of disseminating a prerecorded message to the number called and that are calling party- or called party-controlled, are expressly prohibited.

10.17.5 The Resale Services shall not be used in any manner that interferes with other persons in the use of their Telecommunications Service, prevents other persons from using their Telecommunications Services, or otherwise impairs the quality of service to other carriers or CBT's Customers.

10.17.6 If TELIGENT's use of Resale Services interferes unreasonably with the Resale Services of other carriers or their customers or of TELIGENT's or CBT's Customers, TELIGENT shall be required to take Resale Services in sufficient quantity or of a different class or grade to correct such interference.

ARTICLE XI
NOTICE OF CHANGES -- SECTION 251(c)(5)

If a Party makes (i) a change in its network that will materially affect the interoperability of its network with the other Party or (ii) changes to Operations Support Systems functions that affect the operations of the other Party, the Party making the change shall provide reasonable advance written notice of such change to the other Party within such time period as determined by the FCC or the Commission and their respective rules and regulations.

ARTICLE XII
COLLOCATION -- SECTION 251(c)(6)

12.1 Physical Collocation. CBT shall provide to TELIGENT Physical Collocation on its Premises for equipment necessary for Interconnection (pursuant to **Article III**) or for access to unbundled Network Elements (pursuant to **Article IX**), except that CBT will provide for Virtual Collocation of such equipment if CBT demonstrates to the Commission that Physical Collocation is not practical for technical reasons or because of space limitations, as provided in Section 251(c)(6) of the Act. CBT shall provide TELIGENT Collocation only for the purpose of Interconnection or access to CBT's Network Elements.

12.2 Virtual Collocation in Physical Collocation Space. Where TELIGENT is Virtually Collocated on the Effective Date in a space that was prepared for Physical Collocation, TELIGENT may elect to (i) retain its Virtual Collocation on that Premises and expand that Virtual Collocation according to CBT's applicable tariffs or (ii) revert to Physical Collocation, in which case TELIGENT shall coordinate with CBT for rearrangement of its transmission equipment and facilities, for which CBT shall impose no conversion charge. All applicable Physical Collocation recurring charges shall apply.

12.3 Virtual Collocation in Virtual Collocation Space. Where TELIGENT is Virtually Collocated in a space that was initially prepared for Virtual Collocation, TELIGENT may elect to (i) retain its Virtual Collocation in that space and expand that Virtual Collocation according to the terms of this Agreement and applicable tariffs or (ii) unless it is not practical for technical reasons or because of space limitations, as demonstrated by CBT to the Commission, convert its Virtual Collocation to Physical Collocation at such Premises, in which case TELIGENT shall coordinate the construction and rearrangement with CBT of its transmission equipment and facilities, for which TELIGENT shall pay CBT at the rates set in the Pricing Schedule. In addition, all applicable Physical Collocation recurring charges shall apply.

12.4 Microwave Collocation. Where technically feasible, CBT will provide for physical collocation of TELIGENT's microwave equipment, on the roof of CBT's Central Office Buildings. Such equipment will be limited to only that which is necessary for interconnection of TELIGENT's network facilities to CBT's network or access to CBT's unbundled network facilities and to CBT's Network Elements. A request for Microwave Collocation must be accompanied by a request for physical collocation at the same location.

12.5 Nondiscriminatory Collocation. Collocation shall be made available to TELIGENT by CBT on a basis that is at parity to the priorities that CBT provides to other persons. The quality of design, performance, features, functions, maintenance and other characteristics of Collocation made available to TELIGENT under this Agreement shall be at parity to that which CBT provides in its network to itself, its subsidiaries, its affiliates or other persons.

12.6 Eligible Equipment.

12.6.1 TELIGENT may Collocate equipment necessary for Interconnection, or access to CBT's Network Elements, including the following types of equipment:

- (a) OLTM equipment;
- (b) Multiplexers;
- (c) Digital Cross-Connect Panels;
- (d) Optical Cross-Connect Panels;
- (e) Digital Loop Carrier, including Next Generation Digital Loop Carrier (utilizing transmission capabilities only);
- (f) Data voice equipment;
- (g) Equipment used to facilitate hubbing architectures (e.g., SONET terminating equipment used for hubbing);
- (h) any other transmission equipment collocated as of August 1, 1996 necessary to terminate basic transmission facilities pursuant to 47 C.F.R. §§ 64.1401, 64.1402; and
- (i) equipment used for signal regeneration functions.

12.6.2 Restrictions. TELIGENT shall not be permitted to collocate switching equipment or equipment used to provide enhanced services. TELIGENT shall disable any switching functionality inherent in any equipment TELIGENT places in its collocation space.

12.6.3 Subject to the terms and conditions set forth in this Article XII, CBT shall not restrict the types or vendors of equipment to be installed in virtual and physical collocation, unless CBT demonstrates a specific and significant network reliability concern associated with providing interconnection or access at a particular point. TELIGENT shall be responsible for ordering sufficient quantities of maintenance spares to allow CBT to maintain and repair the TELIGENT-designated equipment under the same time intervals and with the same failure rates as CBT applies to its comparable equipment.

12.6.4 TELIGENT will be responsible for the payment for all reasonable costs incurred by CBT resulting from TELIGENT's choice of equipment in physical and virtual collocation. The costs may include (as applicable), but are not limited to:

- (a) the training of CBT's employees for the installation, maintenance, repair, and operation of the equipment if the equipment is different from (i) the equipment CBT uses in its network, or (ii) the equipment another virtual interconnector uses in that particular virtual collocation location; and
- (b) the required modification of CBT's facilities to accommodate TELIGENT's interconnection equipment for physical and/or virtual collocation.

12.6.5 TELIGENT may use Collocated equipment to transport Interconnection or Network Element traffic through one (1) or more CBT Central Offices destined for termination at another CBT Central Office.

12.7 Transmission Facility Options. For both Physical Collocation and Virtual Collocation, TELIGENT may either purchase unbundled transmission facilities (and any necessary Cross-Connection) from CBT or provide its own or third-party leased fiber optic transmission facilities and terminate those transmission facilities in its equipment located in its Collocation space at CBT's Premises.

12.8 Interconnection with other Collocated Carriers. Upon written request to CBT, TELIGENT shall be permitted to Interconnect its network with that of another collocating Telecommunications Carrier at CBT's Premises by connecting its Collocated equipment to the Collocated equipment of the other Telecommunications Carrier via a Cross-Connection or other connecting transmission facilities ("**Co-Carrier Cross-Connect**") so long as (i) TELIGENT's and the other collocating Telecommunications Carrier's collocated equipment are to be used for Interconnection with CBT or for access to CBT's Network Elements (except that the Parties acknowledge that TELIGENT may Collocate equipment necessary to connect to such other collocating Telecommunications Carrier (*i.e.*, a multiplexer) that may not be directly connected to CBT for access to CBT's Network Elements but will connect at some point to CBT's network), (ii) TELIGENT provides the connection between the equipment in the collocated spaces via a Cross-Connection or other connecting transmission facility that, at a minimum, complies in all respects with CBT's technical and engineering requirements, and (iii) the connecting transmission facilities of TELIGENT and the other collocating Telecommunications Carrier are contained wholly within space provided solely for Physical Collocation within CBT's Premises. In the event that such Co-Carrier Cross-Connect is used to connect with the Virtual Collocation equipment of TELIGENT or another Telecommunications Carrier, CBT shall provide the Cross-Connect on an individual case basis at rates set in accordance with the Act.

12.9 Interconnection Points and Cables. CBT shall:

12.9.1 provide TELIGENT an Interconnection point or points physically accessible by both CBT and TELIGENT, at which the fiber optic cable (or other necessary facility as per TELIGENT's Bona Fide Request) carrying TELIGENT's circuits can enter CBT's Premises; provided that CBT shall designate Interconnection Points as close as reasonably possible to CBT's Premises;

12.9.2 provide at least two (2) such Interconnection points at CBT's Premises at which there are at least two (2) entry points for TELIGENT's cable facilities, and at which space is available for new facilities in at least two (2) of those entry points;

12.10 Allocation of Collocation Space.

12.10.1 TELIGENT may reserve Collocation space for its future use in CBT's Premises in accordance with the provisions of **Schedule 12.10.1**. CBT shall notify TELIGENT in writing if another Telecommunications Carrier requests Collocation space that is reserved by TELIGENT. TELIGENT shall, within five (5) Business Days of receipt of such notice, provide CBT either (i) written notice that TELIGENT relinquishes such space, or (ii) enforce its reservation of space in accordance with the provisions of **Schedule 12.10.1**. Failure of TELIGENT to respond to CBT within the foregoing five (5) Business Day period shall be deemed an election by TELIGENT to relinquish such space.

12.10.2 CBT shall not be required to lease or construct additional space in a Premises to provide TELIGENT Physical Collocation when existing space in such Premises has been exhausted.

12.10.3 TELIGENT will provide CBT with a two (2)-year rolling forecast of its estimated requirements for Collocation that will be reviewed jointly on a yearly basis by the Parties, in accordance with the planning processes described in **Schedule 12.10.3**. CBT will attempt to deliver Collocation pursuant to TELIGENT's forecasts to the extent that Collocation space is then available.

12.11 Security Arrangements. TELIGENT shall comply with and compensate CBT for reasonable security arrangements as designated by CBT to separate TELIGENT's collocation space from CBT's facilities including, but not limited to, the construction of a collocation cage for TELIGENT's physical collocation space.

12.12 Subcontractor and Vendor Approval. CBT shall permit TELIGENT to subcontract the construction and build-out of Physical Collocation arrangements with contractors approved by CBT. Approval of such subcontractors by CBT shall be based on the same criteria it uses in approving contractors for its own purposes. In addition, CBT shall allow TELIGENT to have a CBT-approved vendor install updates to Collocated equipment, including software updates.

12.13 Delivery of Collocated Space.

12.13.1 CBT shall provide TELIGENT with a single point of contact for all inquiries regarding Collocation. TELIGENT shall request space for Collocation by delivering a written request to CBT. Each request for Collocation shall include (i) the Premises in which Collocation is requested, (ii) the amount of space requested, (iii) the interoffice transmission facilities TELIGENT will require for such space, (iv) the equipment to be housed in such space, (v) TELIGENT's anticipated power requirements for the space, (vi) any extraordinary additions or modifications (*i.e.*, security devices, node enclosures, HVAC, etc.) to the space or to the Premises to accommodate TELIGENT's Collocated equipment, (vii) the specific level of diversity for fiber (or

other facility as per TELIGENT's Bona Fide Request) and power cabling to and from the Collocated space and (viii) the date on which TELIGENT intends to initiate service from such space. CBT shall notify TELIGENT in writing within ten (10) Business Days of receiving TELIGENT's request for Collocation as to whether the requested space is available. If space is not available for Physical Collocation, CBT shall specify in its notice to TELIGENT when space for Physical Collocation will be made available to TELIGENT and shall offer to TELIGENT Virtual Collocation Space in accordance with **Section 12.13.3**.

12.13.2 **Physical Collocation.**

- (a) If space for Physical Collocation is immediately available at the time of TELIGENT's request, CBT shall include in its notice to TELIGENT (i) the space to be provided and (ii) whether CBT can deliver the space to TELIGENT by the date set forth in **Section 12.13.2(c)**.
- (b) If TELIGENT's requested Physical Collocation space is available, CBT and TELIGENT shall have an initial walkthrough of such space within ten (10) Business Days after CBT's receipt of TELIGENT's Initial COBO Payment. CBT shall, within ten (10) Business Days after such initial walkthrough, provide documentation submitted to and received from contractors for any work being done on behalf of TELIGENT that will be billed as extraordinary expenses and provide for a parallel installation sequence.
- (c) CBT shall deliver to TELIGENT the requested space on or before the later of (i) one hundred twenty (120) days from CBT's receipt of TELIGENT's request for Collocation, (ii) one hundred twenty (120) days from the receipt of TELIGENT's Initial COBO Payment (as provided on **Schedule 12.13**) and (iii) such other reasonable date that the Parties may agree upon if it is not feasible for CBT to deliver to TELIGENT such space within the foregoing intervals (such date of delivery referred to as the "**Delivery Date**").
- (d) Physical Collocation space requested by TELIGENT will be made available to TELIGENT by CBT as more fully described in **Section 1** of **Schedule 12.13**.
- (e) If CBT does not provide TELIGENT with its Collocated space by the Delivery Date and such delay is caused directly by CBT's actions or its failure to act (and not by a TELIGENT Delaying Event), TELIGENT shall receive a credit of 1/120th of its COBO payment for each day after the applicable Delivery Date that such Collocated space is not made available.
- (f) CBT may begin billing TELIGENT for recurring charges for the Collocated space on the Occupancy Date. For purposes of this **Article XII**, "**Occupancy Date**" shall mean the date on which (i) the Parties have completed the acceptance walkthrough of TELIGENT's Physical Collocation Space and (ii) no material exceptions for such space have been noted or remain outstanding. TELIGENT shall vacate the Collocated space if either (x) TELIGENT fails

to install within ninety (90) days of the Occupancy Date the equipment necessary for Interconnection and/or access to unbundled Network Elements to be housed in such space or (y) TELIGENT fails to Interconnect to the CBT network within one hundred and fifty (150) days of the Occupancy Date. If TELIGENT is required to vacate the space pursuant to this **Section 12.13.2(f)**, TELIGENT shall vacate such space within ninety (90) Business Days of the earliest to occur of the foregoing events. If, after vacating a space, TELIGENT still requires Collocation in that Premises, TELIGENT shall be required to submit a new request for Collocation pursuant to the provisions of **Section 12.13.1**.

- (g) Physical Collocation will be subject to the additional rules and regulations set forth in **Section 2.0** of **Schedule 12.13**.
- (h) CBT shall provide positive confirmation to TELIGENT when construction of TELIGENT Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date. The Implementation Team will establish a process for determining when construction is fifty percent (50%) complete.
- (i) After completion of construction but prior to occupancy, TELIGENT and CBT will complete an acceptance walkthrough of all Collocated space requested from CBT. Exceptions that are noted during this acceptance walkthrough shall be corrected by CBT as soon as possible but not later than thirty (30) days after the walkthrough. The correction by CBT of any exceptions noted by TELIGENT, from TELIGENT's original request for collocation (as modified by any changes requested by TELIGENT), shall be at CBT's expense and shall be subject to an additional walk through and acceptance by TELIGENT.
- (j) TELIGENT shall pay the incremental cost incurred by CBT as the result of any TELIGENT Change Order applicable to construction of Physical Collocation space.
- (k) The Implementation Team shall identify at least one contact for each Party, including name(s) and telephone number(s), responsible for the following areas relating to Collocation:
 - 1. Engineering;
 - 2. Physical and Logical Security;
 - 3. Provisioning;
 - 4. Billing;
 - 5. Operations;
 - 6. Site and Building Managers; and
 - 7. Environmental and Safety.

- (l) The Implementation Team shall also establish an escalation process which includes names, telephone numbers and escalation order for each Party in order to resolve disputes that may arise pursuant to the Parties' Collocation of equipment hereunder.

12.13.3 Virtual Collocation.

- (a) If TELIGENT requests Virtual Collocation, or if requested Physical Collocation space is not available at a Premises and TELIGENT elects Virtual Collocation, and such Virtual Collocation is available at the time of TELIGENT's request, CBT shall include in its notice to TELIGENT described in Section 12.13.1, (i) the space to be provided and (ii) whether CBT can deliver the space to TELIGENT by the date set forth in Section 12.13.3(c).
- (b) CBT and TELIGENT will have an initial walkthrough of the Collocated space to be provided to TELIGENT for Virtual Collocation on the date that is the earlier of (i) ten (10) Business Days after CBT's verification of the Virtual Collocation space to be provided to TELIGENT and (ii) fourteen (14) calendar days after CBT's receipt of TELIGENT's request for Virtual Collocation.
- (c) CBT shall deliver to TELIGENT the requested space on or before the later of (i) seventy-five (75) days from CBT's receipt of TELIGENT's request for Virtual Collocation and (ii) such other reasonable date that the Parties may agree upon if it is not feasible for CBT to deliver to TELIGENT such space within seventy-five (75) days (such date of delivery referred to as the "**Delivery Date**") and CBT notified TELIGENT of this fact within ten (10) Business Days from CBT's receipt of TELIGENT's request.
- (d) Virtual Collocation space requested by TELIGENT will be made available to TELIGENT by CBT, as more fully described in Section 3 of Schedule 12.13.
- (e) CBT shall provide positive confirmation to TELIGENT when construction of TELIGENT Collocated space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and the Delivery Date. The Implementation Team will establish a process for determining when construction is fifty percent (50%) complete.
- (f) After completion of construction and on or before the Delivery Date, TELIGENT and CBT will complete an acceptance walkthrough of all Collocated space requested from CBT. Exceptions that are noted during this acceptance walkthrough shall be corrected by CBT as soon as possible but not later than thirty (30) days after the walkthrough. The correction by CBT of any exceptions noted by TELIGENT, from TELIGENT's original request for collocation (as modified by any changes requested by TELIGENT), shall be

at CBT's expense and shall be subject to an additional walk through and acceptance by TELIGENT.

12.13.4 Microwave Collocation:

Microwave Collocation will be provided to TELIGENT by CBT according to the terms and conditions in Schedule 12.13.4.

12.14 Pricing. The prices charged to TELIGENT for Collocation are set forth in the Pricing Schedule.

12.15 Billing. CBT shall bill TELIGENT for Collocation pursuant to the requirements of Article XXVII to this Agreement.

12.16 Common Requirements. The requirements set forth on Schedule 12.16 shall be applicable to both Physical and Virtual Collocation.

12.17 Additional Requirements. The additional requirements set forth on Schedule 12.17 shall be applicable to Physical Collocation.

12.18 Protection of Service and Property. Both Parties shall exercise reasonable care to prevent harm or damage to the other Party, its employees, agents or Customers, or their property. Both Parties, their employees and agents agree to take reasonable and prudent steps to ensure the adequate protection of the other Party's property and services, including:

12.18.1 CBT and TELIGENT shall restrict access to TELIGENT equipment, support equipment, systems, tools and data, or spaces that contain or house TELIGENT equipment enclosures to TELIGENT employees and other authorized non-TELIGENT personnel to the extent necessary to perform their specific job functions.

12.18.2 TELIGENT shall comply at all times with reasonable security and safety procedures and existing requirements that are established by CBT and communicated to TELIGENT.

12.18.3 CBT shall allow TELIGENT (i) for TELIGENT's Physical Collocation spaces, seven (7)-day, twenty-four (24)-hour access to inspect or observe spaces that house or contain TELIGENT equipment or equipment enclosures and CBT shall furnish TELIGENT with keys, entry codes, lock combinations, and other materials or information that may be needed to gain entry into any secured TELIGENT space, subject to Section 12.18.2 and Article XX, and (ii) for TELIGENT's Virtual Collocated space, access during the applicable Premises' Normal Business Hours to inspect or observe TELIGENT equipment. TELIGENT acknowledges that CBT may require TELIGENT's representative(s) to be escorted during such inspections/observations of Virtual Collocated space. TELIGENT shall pay the cost of such CBT escorts.

12.18.4 For Physical Collocation, CBT shall furnish to TELIGENT a current written list of CBT's employees who CBT authorizes to enter TELIGENT's Physical Collocation space, with samples of the identifying credential to be carried by such persons.

12.18.5 CBT shall secure external access to the Physical Collocation space on its Premises in the same or equivalent manner that CBT secures external access to spaces that house CBT's equipment.

12.18.6 For Physical Collocation, CBT shall limit the keys used in its keying systems for TELIGENT's specific Physical Collocation space which contain or house TELIGENT equipment or equipment enclosures to its employees and representatives for emergency access only. TELIGENT shall further have the right, at its expense, to have locks changed where deemed necessary for the protection and security of such spaces, provided that TELIGENT shall immediately provide CBT with such new keys.

12.19 Standards of Performance. CBT shall provide collocation to TELIGENT in accordance with the service levels, procedures, and intervals to be agreed upon by the Implementation Team.

ARTICLE XIII NUMBER PORTABILITY -- SECTION 251(b)(2)

13.1 Provision of Local Number Portability. Each Party shall provide to the other Party, to the extent technically feasible, Local Number Portability in accordance with the requirements of the Act. However, when a Customer switches from one Telecommunications Carrier to another and retains its telephone number, via Permanent Number Portability, each Party shall provide such portability without any impairment of functionality, quality, reliability or convenience.

13.1.1 Conventions. For purposes of this Article XIII, Party A means the Carrier from which a telephone number is Ported, and Party B means the carrier to which a telephone number is ported.

13.2 Permanent Number Portability. The Parties shall provide Permanent Number Portability on a reciprocal basis to each other in accordance with rules and regulations prescribed by the FCC and/or the Commission. Both TELIGENT and CBT shall jointly cooperate to implement all applicable requirements for Permanent Number Portability as set forth in the Act, FCC rules and regulations, and the rules, regulations and orders of the Kentucky Public Service Commission.

13.3 Requirements for LNP.

13.3.1 White Page Listings. CBT shall provide Directory Listings in connection with ported Customers subject to the requirements of Article XV.

13.3.2 Cut-Over Process and Installation Intervals. Party A shall cooperate in the process of porting numbers from Party A to Party B so as to limit service outage for the ported Customer. CBT shall provide LNP at the sooner of (i) the following intervals and (ii) at parity with intervals CBT provide INP to any other person:

1-10 Numbers per Service Order	5 days from CBT's Receipt of valid Service Order
11-20 Numbers per Service Order	10 days from CBT's Receipt of valid Service Order
21+ Numbers per Service Order	to be Negotiated

13.3.3 Testing. The Parties shall cooperate in conducting testing to ensure interconnectivity between systems prior to the initial deployment of a particular form of interim number portability. Each Party shall inform the other Party of any system updates that may affect the other Party's network and shall, at mutually agreeable times, perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement.

13.3.4 Recording and Billing. Billing of Number Portability arrangements shall be governed by Article XXVII, unless any provision in Article XXVII is deemed inconsistent with the Act or a decision of a regulatory body of appropriate jurisdiction, in which case such decision shall apply.

13.3.5 Operator Services and Directory Assistance. Operator Services and Directory Assistance provisions for Number Portability arrangements shall be governed by Schedule 9.2.7.

**ARTICLE XIV
DIALING PARITY -- SECTION 251(b)(3)**

14.1 Dialing Parity. The Parties shall provide Dialing Parity to each other as required under Section 251(b)(3) of the Act.

**ARTICLE XV
DIRECTORY LISTINGS -- SECTION 251(b)(3)**

15.1 Directory Listings. CBT, as publisher of its White Pages, will include Primary Listings of TELIGENT's resale directory customers in its White Pages, and shall cause its publisher to include primary listings of TELIGENT's directory customers in its Publisher's Yellow Pages Directories under the following terms and conditions:

15.1.1 CBT will publish the Primary Listing of TELIGENT Directory Customers located within the geographic scope of its White Pages directory and will recover costs for both resale and facility based Customers in accordance with the Act.

15.1.2 Listings of TELIGENT Directory Customers shall be interfiled with listings of Customers of CBT and other LECs serving the same geographic area where such listings are included within a directory.

15.1.3 CBT shall provide TELIGENT with a copy of such listings prior to publication in such form and format as may be mutually agreed to by the Parties. Both Parties shall use their best efforts to ensure the accurate listing of such information.

15.1.4 CBT or its Publisher must receive all Primary Listings of TELIGENT Directory Customers prior to the service order close date for the directory in which those listings are to appear. CBT or its Publisher will provide TELIGENT with appropriate service order close dates within thirty (30) days of this information becoming available.

15.1.5 CBT may include, at a rate consistent with the Act, Primary Listings of TELIGENT Directory Customers provided to CBT or its Publisher in other directories published by the Publisher.

15.1.6 Nothing in this Agreement shall restrict CBT's and its Publisher's authority from altering the geographic scope, directory life, headings, content or format of the directories. CBT and its Publisher will provide information on such alterations at the same time such information is provided to CBT.

15.1.7 CBT, shall include, in the customer information section of its White Pages Directory, information about TELIGENT services, including addresses and telephone numbers for TELIGENT Customer service. The form and content of such customer information shall be provided by TELIGENT to CBT prior to the close date for the customer information section. The charge for the listing of such information will be calculated on the same basis as the charges paid by CBT for similar listings. CBT shall maintain editorial rights as well as control of the format and design of these pages. TELIGENT will work directly with the publisher to include customer information in the publisher's Yellow Page Directory

15.2 Listing and Listing Updates. TELIGENT will provide TELIGENT Directory Customer Primary Listings and Listing Updates to CBT or its Publisher on a non-exclusive basis as follows:

15.2.1 TELIGENT shall provide its TELIGENT Directory Customer Primary Listings to CBT or its Publisher in a mutually agreeable form and format. TELIGENT acknowledges that CBT or its Publisher may impose a charge for changes to TELIGENT Directory Customer Primary Listings previously provided by TELIGENT to CBT or its Publisher; however, in no event shall such charge be greater than the amount CBT charges its Customers and such charge shall be calculated in the same manner as Publisher charges CBT for such charge.

15.2.2 Within two (2) Business Day of installation, (unless changed by the Commission in the MTSS) disconnection or other change in service (including change of non-listed or non-published status) affecting the directory assistance database or the directory listing of a TELIGENT Directory Customer, TELIGENT shall provide Listing Updates to CBT in a form and format acceptable to CBT.

15.2.3 TELIGENT will cooperate with CBT or its Publisher to develop a cost-effective, mutually satisfactory, mechanized or electronic process for the provision of TELIGENT's Listing Updates to CBT or its Publisher, which process shall be available for joint testing within six (6) months of the Effective Date.

15.2.4 Subject to the rules, guidelines, and regulations of the Commission, Publisher or CBT may sell or license the use of Customer Listings, or Listing Updates to third persons without the prior written consent of TELIGENT, provided, however, that neither Publisher nor CBT will:

- (a) disclose non-listed name and address information to any third person, except as may be necessary to undertake delivery of directories or to perform other services contemplated under this Agreement;
- (b) disclose to any third person the identity of a Customer's or resale Customer's LEC;
- (c) sell or license such Customer listing information sorted by carrier; or
- (d) disclose listing information for individual cases where TELIGENT has notified CBT.

15.3 Directories Delivery. CBT will provide initial and secondary (replacement, additional or New Line orders) delivery of CBT's White Page Directory and shall cause its Publisher to provide initial and secondary (replacement additional or New Line orders) delivery of Yellow Page Directories to TELIGENT Directory Customers under the same terms and conditions that CBT delivers to its customers. Timing of such delivery and determination of which Telephone Directories shall be delivered (by customer address, NPA NXX or other criteria) and the number of Telephone Directories to be provided per customer, shall be provided under the same terms that CBT delivers Telephone Directories to its own local service customers. Upon directory publication, CBT will arrange for the distribution of the directory to TELIGENT Customers in the directory coverage area and shall recover directory delivery costs for both resale and facilities based customers in accordance with the Act.

15.4 Nondiscriminatory Formats. CBT shall make available to TELIGENT Customers the same White Pages formats and shall cause its publisher to make available the same Yellow Pages format that CBT and its publisher provides to its retail Customers, at the same rates, terms and conditions.

ARTICLE XVI
ACCESS TO POLES, DUCTS, CONDUITS AND RIGHTS-OF-WAY -- SECTIONS
251(b)(4) AND 224

16.1 Structure Availability.

16.1.1 CBT shall make available, to the extent it may lawfully do so, access to poles, ducts, conduits and Rights-of-way (individually and collectively, "**Structure**") owned or controlled by CBT for the placement of TELIGENT's telecommunications equipment and related facilities ("**Attachments**"). Poles, ducts and conduits include entrance facilities (including building access) and conduit and riser space; manholes; telephone equipment closets; and other infrastructure used by CBT to place telecommunications distribution facilities. "Rights-of-way" includes easements, licenses or any other right, whether based upon grant, reservation, contract, law or otherwise, to use property if the property is used for distribution facilities. The availability of CBT Structure for TELIGENT's Attachments is subject to and dependent upon all rights, privileges, franchises or authorities granted by governmental entities with jurisdiction, existing and future agreements with other persons not inconsistent with Section 16.20, all interests in property granted by persons or entities public or private, and Applicable Law, and all terms, conditions and limitations of any or all of the foregoing, by which CBT owns and controls Structure or interests therein.

16.1.2 CBT will not make Structure available: (1) where, after taking all reasonable steps to accommodate such request, there is Insufficient Capacity to accommodate the requested Attachment, and (2) an Attachment cannot be accommodated based upon nondiscriminatorily applied considerations of safety, reliability or engineering principles. For purposes of this Article XVI, "Insufficient Capacity" means the lack of space available on or in Structure and the inability to create the necessary space by taking all reasonable steps to do so. Before denying a request for access based upon insufficient Capacity, CBT will, in good faith, explore potential accommodations with TELIGENT. If CBT denies a request by TELIGENT for access to its Structure for Insufficient Capacity, safety, reliability or engineering reasons, CBT will provide TELIGENT a detailed, written reason for such denial (i) as soon as practicable but in any event within forty-five (45) days of the date of such request if CBT has actual or constructive knowledge of the reasons for such denial or (ii) promptly upon CBT's receipt of such reasons for denial if such reasons are not known until after the expiration of such forty-five (45)-day period.

16.2 Franchises, Permits and Consents. TELIGENT shall be solely responsible to secure any necessary franchises, permits or consents from federal, state, county or municipal authorities and from the owners of private property, to construct and operate its Attachments at the location of the CBT Structure it uses.

16.3 Access and Modifications. Where necessary to accommodate a request for access of TELIGENT, CBT will modify its Structure in order to accommodate the Attachments of TELIGENT as set forth in this Section 16.3, unless (i) CBT has denied access as described in Section 16.1.2, and/or (ii) because CBT may not lawfully make the Structure available. CBT may permit TELIGENT to conduct Field Survey Work and Make-Ready Work itself or through its own contractors in circumstances where CBT is unable to complete such work in a reasonable time frame.

16.3.1 Before commencing the work necessary to provide such additional capacity, CBT will notify all other parties having Attachments on or in the Structure of the proposed modification to the Structure. The modification to accommodate TELIGENT may, at CBT's option, include modifications required to accommodate other attaching parties, including CBT, that desire to modify their Attachments.

16.3.2 If TELIGENT requests access to a CBT Right-of-way where CBT has no existing Structure, CBT shall not be required to construct new poles, conduits or ducts, or to bury cable for TELIGENT but will be required to make the Right-of-way available to TELIGENT to construct its own poles, conduits or ducts or to bury its own cable; provided, however, if CBT desires to extend its own Attachments, CBT will construct Structure to accommodate TELIGENT's Attachments.

16.3.3 The costs of modifying a Structure to accommodate TELIGENT's request, the requests of another attaching party or the needs of CBT shall be borne by TELIGENT, the other requesting party or CBT, respectively, except that if other parties obtain access to the Structure as a result of the modification, such parties shall share in the cost of modification proportionately with the party initiating the modification. An attaching party, including CBT, with a pre-existing Attachment to the Structure to be modified to accommodate TELIGENT shall be deemed to directly benefit from the modification if, after receiving notification of the modification, it adds to or modifies its Attachment. If a party, including CBT, uses the modification to bring its Structure or Attachments into compliance with applicable safety or other requirements specified in **Section 16.6**, it shall be considered as sharing in the modification and shall share the costs of the modification attributable to its upgrade. Notwithstanding the foregoing, an attaching party or CBT with a pre-existing Attachment to the Structure shall not be required to bear any of the costs of rearranging or replacing its Attachment if such rearrangement or replacement is necessitated solely as a result of an additional Attachment or the modification of an existing Attachment sought by another attaching party. If an attaching party, including CBT, makes an Attachment to the facility after the completion of the modification, such party shall share proportionately in the cost of the modification if such modification rendered the added attachment possible.

16.3.4 All modifications to CBT's Structure will be owned by CBT. TELIGENT and other parties, including CBT, who contributed to the cost of a modification, may recover their proportionate share of the depreciated value of such modifications from parties subsequently seeking Attachment to the modified structure. Any necessary procedures with respect to a Party's recovery of its proportionate share of the value of any modifications shall be as prescribed by the Implementation Team.

16.4 Installation and Maintenance Responsibility. TELIGENT shall, at its own expense, install and maintain its Attachments in a safe condition and in thorough repair so as not to conflict with the use of the Structure by CBT or by other attaching parties. Work performed by TELIGENT on, in or about CBT's Structures shall be performed by properly trained competent workmen skilled in the trade. CBT will specify the location on the Structure where TELIGENT's Attachment shall be placed, which location shall be designated in a nondiscriminatory manner. TELIGENT shall construct each Attachment in conformance with the permit issued by CBT for such Attachment. Other than routine maintenance and service wire Attachments, TELIGENT shall not modify, supplement or rearrange any Attachment without first obtaining a permit therefor.

TELIGENT shall provide CBT with notice before entering any Structure for construction or maintenance purposes.

16.5 Emergency Repairs. In the event of a service-affecting emergency, CBT shall begin repair of its facilities containing TELIGENT's Attachments as soon as reasonably possible after notification by TELIGENT.

16.6 Installation and Maintenance Standards. TELIGENT's Attachments shall be installed and maintained in accordance with the rules, requirements and specifications of the National Electrical Code, National Electrical Safety Code, Bellcore Construction Practices, the Commission, the Occupational Safety & Health Act and the valid and lawful rules, requirements and specifications of any other governing authority having jurisdiction over the subject matter.

16.7 Implementation Team. The Implementation Team to be formed pursuant to Article XVIII shall develop cooperative procedures for implementing the terms of this Article XVI and to set out such procedures in the Implementation Plan. The Parties, through the Implementation Team, shall develop mutually agreeable intervals for completion of process steps in providing TELIGENT access to CBT's Structure and appropriate penalties for failure to timely complete process steps for which fixed or negotiated intervals have been assigned. CBT will provide TELIGENT with access to information regarding the provision of access to CBT's Structure which will be sufficient for TELIGENT to verify that CBT is providing TELIGENT with access to its Structure that is comparable to that provided by CBT to itself, its subsidiaries, affiliates and other persons requesting access to CBT's Structure.

16.8 Access Requests. Any request by TELIGENT for access to CBT's Structure shall be in writing and submitted to CBT's Structure Leasing Coordinator. CBT may not unreasonably limit the number and scope of requests from TELIGENT being processed at any one time and may prescribe a reasonable non-discriminatory process for orderly administration of such requests. TELIGENT's Attachment to CBT's Structure shall be pursuant to a permit issued by CBT for each request for access.

16.9 Unused Space. Excepting maintenance ducts as provided in Section 16.10 and ducts required to be reserved for use by municipalities, all useable but unused space on Structure owned or controlled by CBT shall be available for the Attachments of TELIGENT, CBT or other providers of Telecommunications Services or cable television systems. TELIGENT may not reserve space on CBT Structure for its future needs. CBT shall not reserve space on CBT Structure for the future need of CBT nor permit any other person to reserve such space. Notwithstanding the foregoing, TELIGENT may provide CBT with a two (2)-year rolling forecast of its growth requirements for Structure that will be reviewed jointly on an annual basis.

16.10 Maintenance Ducts.

16.10.1 One duct and one inner-duct in each conduit section shall be kept vacant as maintenance ducts. Maintenance ducts shall be made available to TELIGENT for maintenance purposes if it has a corresponding Attachment.

16.10.2 Where a spare innerduct does not exist, upon the mutual agreement of the Parties, CBT shall allow TELIGENT to install an innerduct in CBT conduit.

16.11 Applicability. The provisions of this Agreement shall apply to all CBT Structure now occupied by TELIGENT.

16.12 Other Arrangements. TELIGENT's use of CBT Structure is subject to any valid, lawful and nondiscriminatory arrangements CBT may now or hereafter have with others pertaining to the Structure.

16.13 Cost of Certain Modifications. If at the request of a governmental entity, third person, court or Commission or property owner, CBT moves, replaces or changes the location, alignment or grade of its conduits or poles, each Party shall bear its own expenses of relocating its own equipment and facilities.

16.14 Maps and Records. CBT will provide TELIGENT, at TELIGENT's request and expense, with access to and copies of maps, records and additional information relating to its Structure within the time frames agreed upon by the Implementation Team; provided that CBT may redact any proprietary information (of CBT or third parties) contained or reflected in any such maps, records or additional information before providing such information to TELIGENT. Upon request, CBT will meet with TELIGENT to clarify matters relating to maps, records or additional information. CBT does not warrant the accuracy or completeness of information on any maps or records.

16.15 TELIGENT Access. TELIGENT shall provide CBT with notice before entering any CBT Structure.

16.16 Occupancy Permit. TELIGENT occupancy of Structure shall be pursuant to a permit issued by CBT for each requested Attachment. Any such permit shall terminate (a) if TELIGENT's franchise, consent or other authorization from federal, state, county or municipal entities or private property owners is terminated, (b) if TELIGENT has not placed and put into service its Attachments within one hundred eighty (180) days from the date CBT has notified TELIGENT that such Structure is available for TELIGENT's Attachments, and such delay is not caused by a CBT Delaying Event, (c) if TELIGENT ceases to use such Attachment for any period of one hundred eighty (180) consecutive days, (d) if TELIGENT fails to comply with a material term or condition of this Article XVI and does not correct such noncompliance within sixty (60) days after receipt of notice thereof from CBT or (e) if CBT ceases to have the right or authority to maintain its Structure, or any part thereof, to which TELIGENT has Attachments. If CBT ceases to have the right or authority to maintain its Structure, or any part thereof, to which TELIGENT has Attachments, CBT shall (i) provide TELIGENT notice within ten (10) Business Days after CBT has knowledge of such fact and (ii) not require TELIGENT to remove its Attachments from such Structure prior to CBT's removal of its own attachments. CBT will provide TELIGENT with at least sixty (60) days written notice prior to (x) terminating a permit or service to a TELIGENT Attachment or removal thereof for a material breach of the provisions of this Article XVI, (y) any increase in the rates for Attachments to CBT's Structure permitted by the terms of this Agreement, or (z) any modification to CBT's Structure to which TELIGENT has an Attachment, other than a modification associated with routine maintenance or as a result of an emergency. If TELIGENT surrenders its permit for any reason (including forfeiture under the terms of this Agreement), but fails to remove

its Attachments from the Structure within one hundred eighty (180) days after the event requiring TELIGENT to so surrender such permit, CBT shall remove TELIGENT's Attachments at TELIGENT's expense.

16.17 Inspections. CBT may make periodic inspections of any part of the Attachments of TELIGENT located on CBT Structures. Inspections shall be made to (i) ensure that TELIGENT's Attachments have been constructed in accordance with the applicable permit and do not violate any other attaching party's rights on the Structure and (ii) ensure that TELIGENT's Attachments are subject to a valid permit and conform to all applicable standards as set forth in Section 16.5. TELIGENT shall reimburse CBT for any costs of such inspections incurred by CBT (as defined by Section 252(d) of the Act and approved by the Commission). Except in cases involving safety, damage to Attachments or reported violations of the terms of this Agreement, compliance inspections shall not be made more often than once every five (5) years. When reasonably practicable to do so, CBT shall provide prior written notice to TELIGENT of such inspections.

16.18 Damage to Attachments. Both TELIGENT and CBT will exercise precautions to avoid damaging the Attachments of the other or to any CBT Structure to which TELIGENT obtains access hereunder. Subject to the limitations in Article XXVI, the Party damaging the Attachments of the other shall be responsible to the other therefor.

16.19 Charges. CBT's charges for Structure provided hereunder shall be determined in compliance with the regulations to be established by the FCC pursuant to Section 224 of the Act. Prior to the establishment of such rates, CBT's charges for Structure will be (i) those listed in CBT's Cable Television Pole Attachment Tariff, PSCK No. 1, if the particular type of Structure is included therein, or (ii) if the particular type of Structure is not included in the above Tariff, those of the lowest existing contract available to an attaching party in the Commonwealth of Kentucky, including any affiliate of CBT. The charges as of the Effective Date are set forth in the Pricing Schedule and CBT reserves the right to periodically adjust such charges consistent with the foregoing. A reasonable deposit shall be required for map preparation, make-ready surveys and Make-Ready Work.

16.20 Nondiscrimination. Except as otherwise permitted by Applicable Law, access to CBT owned or controlled Structure shall be provided to TELIGENT on a basis that is nondiscriminatory to that which CBT provides to itself, its affiliates, Customers, or any other person.

16.21 Interconnection.

16.21.1 Upon request by TELIGENT, CBT will permit the interconnection of ducts or conduits owned by TELIGENT in CBT manholes.

16.21.2 Except where required herein, requests by TELIGENT for interconnection of TELIGENT's Attachments in or on CBT Structure with the Attachments of other attaching parties in or on CBT Structure will be considered on a case-by-case basis and permitted or denied based on the applicable standards set forth in this Article XVI for reasons of insufficient Capacity, safety, reliability and engineering. CBT will provide a written response to TELIGENT's request within forty-five (45) days of CBT's receipt of such request.

16.21.3 TELIGENT shall be responsible for the costs of any Make-Ready-Work required to accommodate any interconnection pursuant to this **Section 16.21**.

16.22 Cost Imputation. CBT will impute costs consistent with the rules under Section 224(g) of the Act.

16.23 Structure Leasing Coordinator. Requests for access to CBT Structure shall be made through CBT's Structure Leasing Coordinator, who shall be TELIGENT's single point of contact for all matters relating to TELIGENT's access to CBT's Structure. The Structure Leasing Coordinator shall be responsible for processing requests for access to CBT's Structure, administration of the process of delivery of access to CBT's Structure and for all other matters relating to access to CBT's Structure.

16.24 State Regulation. The terms and conditions in this **Article XVI** shall be modified as necessary through negotiation between the Parties to comply with the laws of the Commonwealth of Kentucky applicable to Structure. Until the terms and conditions of this **Article XVI** are renegotiated accordingly, the laws of the Commonwealth of Kentucky shall supersede any provision of this **Article XVI** that is inconsistent with Kentucky state law.

16.25 Abandonments, Sales or Dispositions. CBT shall notify TELIGENT of the proposed abandonment, sale, or other intended disposition of any Structure.

ARTICLE XVII SERVICE PERFORMANCE RECORDS

CBT will keep activity records concerning the Interconnection Performance Benchmarks, Network Element Performance Benchmarks and Resale Performance Benchmarks criteria listed in **Schedules 3.7, 9.10 and 10.9**. CBT will provide such activity records to TELIGENT at intervals to be agreed upon by the Implementation Team.

ARTICLE XVIII IMPLEMENTATION TEAM

The Parties hereby agree to the formation of an Implementation Team which shall be composed of representatives of both Parties for the purpose of: developing and implementing policies and procedures to promote effective and efficient performance for the benefit of each Party's Customers and each other; promoting reliable forecasting of facility and capital needs associated with the performance of this Agreement; coordinating planning of new, expanded, modified or altered network features, functions and capabilities; and, developing appropriate standards by which to evaluate the quality and timeliness of performance. Within thirty, (30) days of the execution of this Agreement, each Party shall designate, in writing, no more than three (3) persons to be permanent members of this Implementation Team provided that either Party may include, in Team meetings or Team activities, such technical specialists or other persons as may be reasonably required to address a specific task, matter or subject. Each Party shall give its representatives on the Implementation Team direct access to those persons who have authority to make decisions on behalf of such Party

and bind such Party, provided, however, where decisions must be escalated from the Implementation Team for resolution, such escalation shall occur within five (5) days. Within sixty (60) days from the execution of this Agreement, the Parties shall have conducted the first Team meeting and identified a schedule and procedures for the purpose of satisfying the objectives of this **Article XVIII**. Such procedures shall include the process by which issues shall be resolved by the Team. The Parties understand and agree that it is not possible, as of the date this Agreement is executed, to list or define all the needs, resources and capabilities that may be required to efficiently and effectively accomplish the objectives of this Agreement. It is the specific intent of the Parties that the Team created by this **Article XVIII** shall provide the flexibility that shall be required to allow this Agreement to dynamically adapt the relationship of the Parties as circumstances warrant or as otherwise required.

ARTICLE XIX GENERAL RESPONSIBILITIES OF THE PARTIES

19.1 Compliance with Implementation Schedule. Each of CBT and TELIGENT shall use its best efforts to comply with the Implementation Schedule.

19.2 Compliance with Applicable Law. Each Party shall comply at its own expense with all applicable federal, state, and local statutes, laws, rules, regulations, codes, effective orders, decisions, injunctions, judgments, awards and decrees ("**Applicable Laws**") (not subject to an effective stay) that relate to its obligations under this Agreement.

19.3 Necessary Approvals. Each Party shall be responsible for obtaining and keeping in effect all approvals from, and rights granted by, governmental authorities, building and property owners, other carriers, and any other persons that may be required in connection with the performance of its obligations under this Agreement. Each Party shall reasonably cooperate with the other Party in obtaining and maintaining any required approvals and rights for which such Party is responsible.

19.4 Environmental Hazards. Each Party will be solely responsible at its own expense for the proper handling, storage, transport, treatment, disposal and use of all Hazardous Substances by such Party and its contractors and agents. "**Hazardous Substances**" includes those substances (i) included within the definition of hazardous substance, hazardous waste, hazardous material, toxic substance, solid waste or pollutant or contaminant under any Applicable Law and (ii) listed by any governmental agency as a hazardous substance.

19.5 Forecasting Requirements.

19.5.1 The Parties shall exchange technical descriptions and forecasts of their Interconnection and traffic requirements in sufficient detail necessary to establish the Interconnections necessary for traffic completion to and from all Customers in their respective designated service areas.

19.5.2 Thirty (30) days after the Effective Date and quarterly during the term of this Agreement, each Party shall provide the other Party with a rolling, six (6)-calendar-month binding forecast of its traffic and volume requirements for the Interconnection and Network Elements provided under this Agreement, in the form and in such detail as agreed by the Parties. Any

underforecast by TELIGENT that is off by more than twenty percent (20%) will be considered a "Delaying Event". In the event of an overforecast by TELIGENT that is off by more than twenty percent (20%), and if CBT can demonstrate excess capacity it has placed in its network because of TELIGENT's overforecast, CBT shall be entitled to pursue a claim against TELIGENT for its losses resulting from such excess capacity. Notwithstanding Section 20.1.1, the Parties agree that each forecast provided under this Section 19.5.2 shall be deemed "Proprietary Information" under Article XX.

19.6 Certain Network Facilities. Each Party is individually responsible to provide facilities within its network which are necessary for routing, transporting, measuring, and billing traffic from the other Party's network and for delivering such traffic to the other Party's network using industry standard format and to terminate the traffic it receives in that standard format to the proper address on its network. Such facility shall be designed based upon the description and forecasts provided under Sections 19.5.1 and 19.5.2. The Parties are each solely responsible for participation in and compliance with national network plans, including The National Network Security Plan and The Emergency Preparedness Plan.

19.7 Traffic Management and Network Harm.

19.7.1 Each Party may use protective network traffic management controls such as 7-digit and 10-digit code gaps on traffic toward the other Party's network, when required to protect the public-switched network from congestion due to facility failures, switch congestion or failure or focused overload. Each Party shall immediately notify the other Party of any protective control action planned or executed.

19.7.2 Where the capability exists, originating or terminating traffic reroutes may be implemented by either Party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes shall not be used to circumvent normal trunk servicing. Expansive controls shall be used only when mutually agreed to by the Parties.

19.7.3 The Parties shall cooperate and share pre-planning information regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes, to prevent or mitigate the impact of these events on the public-switched network.

19.7.4 Neither Party shall use any product or service provided under this Agreement or any other service related thereto or used in combination therewith in any manner that interferes with any person in the use of such person's Telecommunications Service, prevents any person from using its Telecommunications Service, impairs the quality of Telecommunications Service to other carriers or to either Party's Customers, causes electrical hazards to either Party's personnel, damage to either Party's equipment or malfunction of either Party's billing equipment.

19.8 Insurance. At all times during the term of this Agreement, each Party shall keep and maintain in force at such Party's expense all insurance required by Applicable Law, general liability insurance in the amount of at least \$10,000,000 and worker's compensation insurance in accord with statutory limits. Upon request from the other Party, each Party shall provide to the other Party evidence of such insurance (which may be provided through a program of self-insurance).

19.9 Labor Relations. Each Party shall be responsible for labor relations with its own employees. Each Party agrees to notify the other Party as soon as practicable whenever such Party has knowledge that a labor dispute concerning its employees is delaying or threatens to delay such Party's timely performance of its obligations under this Agreement. In the event of a labor dispute and to the extent permitted by Applicable Law, a Party shall attempt to minimize impairment of service to the other Party, but in any event, to the extent a given service is affected by a labor dispute, CBT shall treat all Customers of such service, including itself, its subsidiaries and affiliates, equally.

19.10 Good Faith Performance. Each Party shall act in good faith in its performance under this Agreement and, in each case in which a Party's consent or agreement is required hereunder, such Party shall not unreasonably withhold or delay such consent or agreement, as the case may be.

19.11 Responsibility to Customers. Each Party is solely responsible for the services it provides to its Customers and to other Telecommunications Carriers.

19.12 Unnecessary Facilities. No Party shall construct facilities which require another Party to build unnecessary facilities.

19.13 Cooperation. The Parties shall work cooperatively to minimize fraud associated with third-number billed calls, calling card calls, and any other services related to this Agreement.

19.14 NXX Code Administration. Each Party is responsible for administering NXX codes assigned to it.

19.15 LERG Listings. Each Party is responsible for obtaining Local Exchange Routing Guide ("LERG") listings of CLLI codes assigned to its switches.

19.16 LERG Use. Each Party shall use the LERG published by Bellcore or its successor for obtaining routing information and shall provide all required information to Bellcore for maintaining the LERG in a timely manner.

19.17 Switch Programming. Each Party shall program and update its own Switches and network systems to recognize and route traffic to and from the other Party's assigned NXX codes. Except as mutually agreed or as otherwise expressly defined in this Agreement, neither Party shall impose any fees or charges on the other Party for such activities.

CBT will provide TELIGENT with a listing, and any future updates to:

- 1) Switch Network ID Information;
- 2) Local calling area data.

19.18 Transport Facilities. Each Party is responsible for obtaining transport facilities sufficient to handle traffic between its network and the other Party's network. Each Party may provide the facilities itself, order them through a third party, or order them from the other Party.

ARTICLE XX
PROPRIETARY INFORMATION

20.1 Definition of Proprietary Information.

20.1.1 "**Proprietary Information**" means:

- (a) all proprietary or confidential information of a Party or its affiliates (a "**Disclosing Party**") including specifications, drawings, sketches, business information, forecasts, records (including each Party's records regarding Performance Benchmarks), Customer Proprietary Network Information, Customer Usage Data, audit information, models, samples, data, system interfaces, computer programs and other software and documentation, including any and all information subject to any intellectual property rights of such Party, that is furnished or made available or otherwise disclosed to the other Party pursuant to this Agreement ("**Receiving Party**") and, if written, is marked "**Confidential**" or "**Proprietary**" or by other similar notice or if oral or visual, is identified as "**Confidential**" or "**Proprietary**" at the time of disclosure; and
- (b) any portion of any notes, analyses, data, compilations, studies, interpretations, programs, or other documents or works prepared by or on behalf of any Receiving Party to the extent the same contain, reflect, are derived from, or are based upon, any of the information described in subsection (a) above (such portions of such notes, analyses, etc. referred to herein as "**Derivative Information**").

20.1.2 The Disclosing Party will use its reasonable efforts to follow its customary practices regarding the marking of tangible Proprietary Information as "**confidential**", "**proprietary**", or other similar designation, but the failure to mark or otherwise designate any information described in this **Section 20.1** as confidential or proprietary shall not affect its status as Proprietary Information.

Provided, however, that the Receiving Party shall have no liability for disclosure of Proprietary Information prior to receiving notice that information which should be marked pursuant to **Section 20.1.2** and that is not so marked as Proprietary Information. The Parties agree that the designation in writing by the Disclosing Party that information is confidential or proprietary shall create a presumption that such information is confidential or proprietary to the extent such designation is reasonable. If the Receiving Party disputes the designation of information as Proprietary Information, it may challenge such designation in any relevant proceeding, provided, that until a decision is rendered by a court or the Commission that such information is not Proprietary Information, the Receiving Party shall continue to treat such information as Proprietary Information.

20.1.3 Notwithstanding the requirements of this **Article XX**, all information relating to the Customers of a Party, including information that would constitute Customer Proprietary Network Information ("**CPNI**") of a Party pursuant to the Act and FCC rules and regulations, and Customer Usage Data, whether disclosed by one Party to the other Party or otherwise acquired by a Party in the course of the performance of this Agreement, shall be deemed "**Proprietary**"

Information" of that Party. A Party may only use CPNI consistent with the Act and the appropriate authorization from the Customer.

20.2 Disclosure and Use.

20.2.1 Each Receiving Party agrees that, from and after the Effective Date:

- (a) all such Proprietary Information communicated or discovered, whether before, on or after the Effective Date, in connection with this Agreement shall be held in confidence to the same extent as such Receiving Party holds its own confidential information; provided, that such Receiving Party shall not use less than a reasonable standard of care in maintaining the confidentiality of such information;
- (b) it will not, and it will not permit any of its employees, contractors, consultants, agents or affiliates to disclose such Proprietary Information to any other third person;
- (c) it will disclose Proprietary Information only to those of its employees, contractors, consultants, agents and affiliates who have a need for it in connection with the use or provision of services required to fulfill this Agreement;
- (d) it will, and will cause each of its employees, contractors, consultants, agents and affiliates to use such Proprietary Information only to effectuate the terms and conditions of this Agreement and for no other purpose;
- (e) it will cause each of its affiliates to execute individual confidentiality agreements containing the same restrictions as this Article XX; and
- (f) it will, and will cause each of its employees, contractors, consultants, agents and affiliates, to use such Proprietary Information to create only that Derivative Information necessary for such Receiving Party's compliance with Applicable Law or its performance under the terms of this Agreement.

20.2.2 Any Receiving Party so disclosing Proprietary Information to its employees, contractors, consultants, agents or affiliates shall be responsible for any breach of this Agreement by any of its employees, contractors, consultants, agents or affiliates and such Receiving Party agrees to use its reasonable efforts to restrain its employees, contractors, consultants, agents or affiliates from any prohibited or unauthorized disclosure or use of the Proprietary Information and to assist the Disclosing Party in its efforts to protect such information from disclosure. Each Receiving Party making such disclosure shall notify the Disclosing Party as soon as possible if it has knowledge of a breach of this Agreement in any material respect.

20.2.3 Proprietary Information shall not be reproduced by any Receiving Party in any form except to the extent (i) necessary to comply with the provisions of Section 20.3 and (ii)

reasonably necessary to perform its obligations under this Agreement. All such reproductions shall bear the same copyright and proprietary rights notices as are contained in or on the original.

20.2.4 This **Section 20.2** shall not apply to any Proprietary Information which the Receiving Party can establish to have:

- (a) been disclosed by the Receiving Party with the Disclosing Party's prior written consent;
- (b) become generally available to the public other than as a result of disclosure by a Receiving Party;
- (c) been independently developed by a Receiving Party by an individual who has not had knowledge of or direct or indirect access to such Proprietary Information;
- (d) been rightfully obtained by the Receiving Party from a third person without knowledge that such third person is obligated to protect its confidentiality; provided that such Receiving Party has used all commercially reasonable efforts to determine whether such third person has any such obligation; or
- (e) been obligated to be produced or disclosed by Applicable Law; provided that such production or disclosure shall have been made in accordance with this **Article XX**.

20.2.5 Except as expressly provided, nothing in this **Article XX** shall be construed as limiting the rights of either Party with respect to its customer information under any Applicable Law, including Section 222 of the Act.

20.3 Government Disclosure.

20.3.1 If a Receiving Party desires to disclose or provide to the Commission, the FCC or any other governmental authority any Proprietary Information of the Disclosing Party, such Receiving Party shall, prior to and as a condition of such disclosure, (i) provide the Disclosing Party with written notice and the form of such proposed disclosure as soon as possible but in any event early enough to allow the Disclosing Party to protect its interests in the Proprietary Information to be disclosed and (ii) attempt to obtain in accordance with the applicable procedures of the intended recipient of such Proprietary Information an order, appropriate protective relief or other reliable assurance that confidential treatment shall be accorded to such Proprietary Information. Nothing herein shall prevent the Receiving Party from contesting the status of information as Proprietary Information so long as it is treated in such fashion until a decision is rendered that such information is not Proprietary Information as set forth in **Section 20.1.2**.

20.3.2 If a Receiving Party is required by any governmental authority or by Applicable Law to disclose any Proprietary Information, then such Receiving Party shall provide the Disclosing Party with written notice of such requirement as soon as possible and prior to such disclosure. Upon receipt of written notice of the requirement to disclose Proprietary Information,

the Disclosing Party, at its expense, may then either seek appropriate protective relief in advance of such requirement to prevent all or part of such disclosure or waive the Receiving Party's compliance with this **Section 20.3** with respect to all or part of such requirement.

20.3.3 The Receiving Party shall use all commercially reasonable efforts to cooperate with the Disclosing Party in attempting to obtain any protective relief which such Disclosing Party chooses to seek pursuant to this **Section 20.3**. In the absence of such relief, if the Receiving Party is legally compelled to disclose any Proprietary Information, then the Receiving Party shall exercise all commercially reasonable efforts to preserve the confidentiality of the Proprietary Information, including cooperating with the Disclosing Party to obtain an appropriate order or other reliable assurance that confidential treatment will be accorded the Proprietary Information.

20.4 Ownership.

20.4.1 All Proprietary Information shall remain the property of the Disclosing Party, and all documents or other tangible media delivered to the Receiving Party that embody such Proprietary Information shall be, at the option of the Disclosing Party, either promptly returned to the Disclosing Party or destroyed, except as otherwise may be required from time to time by Applicable Law (in which case the use and disclosure of such Proprietary Information will continue to be subject to this Agreement), upon the later of (i) the date on which the Receiving Party's need for it has expired and (ii) the expiration or termination of this Agreement (including any applicable Transition Period).

20.4.2 At the request of the Disclosing Party, any Derivative Information shall be, at the option of the Receiving Party, either promptly returned to the Disclosing Party or destroyed, except as otherwise may be required from time to time by Applicable Law (in which case the use and disclosure of such Proprietary Information will continue to be subject to this Agreement), upon the later of (i) the date on which the Receiving Party's need for it has expired and (ii) the expiration or termination of this Agreement (including any applicable Transition Period).

20.4.3 The Receiving Party may at any time either return to the Disclosing Party or, with the written consent of the Disclosing Party, destroy Proprietary Information.

20.4.4 If destroyed, all copies shall be destroyed and, upon the written request of the Disclosing Party, the Receiving Party shall provide to the Disclosing Party written certification of such destruction. The destruction or return of Proprietary Information shall not relieve any Receiving Party of its obligation to treat such Proprietary Information in the manner required by this Agreement.

20.5 Equitable Relief. Each Party agrees that any breach by either Party or any of its Representatives of any provisions of this **Article XX** will cause immediate and irreparable injury to the other Party and that, in the event of such breach, the injured Party shall be entitled to seek equitable relief, including injunctive relief and specific performance to enforce such provisions. Such remedies shall not be exclusive, but shall be in addition to all other remedies available at law or in equity. Each Party shall have the right to disclose Confidential Information to any mediator, arbitrator, state or federal regulatory body, the Department of Justice or any court in the conduct of any mediation, arbitration, approval or appeal of this Agreement. Nothing herein shall prevent the Receiving Party from contesting the status of information as Proprietary Information so long as it is

treated in such fashion until a decision is rendered that such information is not Proprietary Information as set forth in Section 20.1.2.

ARTICLE XXI TERM AND TERMINATION

21.1 Term. The initial term of this Agreement shall be two (2) years (the “**Initial Term**”) which shall commence on the Effective Date. Upon expiration of the Initial Term, this Agreement shall automatically be renewed for additional one (1) year periods (each, a “**Renewal Term**”) unless a Party delivers to the other Party written notice of termination of this Agreement at least one hundred twenty (120) days prior to the expiration of the Initial Term or a Renewal Term; provided, however, that this Agreement shall continue in full force and effect until it is replaced by a superseding agreement or terminated at the end of the Transition Period as set forth in Section 21.4 below.

21.2 Renegotiation of Certain Terms.

21.2.1 Notwithstanding the foregoing, upon delivery of written notice at least one hundred twenty (120) days prior to the expiration of the Initial Term or any Renewal Term, either Party may require negotiations of the rates, prices and charges, terms, and conditions of the services to be provided under this Agreement effective upon such expiration. If the Parties are unable to satisfactorily negotiate such new rates, prices, charges and terms within sixty (60) days of such written notice, either Party may petition the Commission or take such other action as may be necessary to establish appropriate terms. If the Parties are unable to mutually agree on such new rates, prices, charges, terms and conditions or the Commission does not issue its order, the Parties agree that the rates, terms and conditions ultimately ordered by such Commission or negotiated by the Parties shall be effective retroactive to such expiration date.

21.2.2 If this Agreement is renewed past the Initial Term, the wholesale discounts as set forth in the Pricing Schedule shall be subject to review and adjustment by the Commission upon the expiration of the Initial Term of this Agreement, unless the Parties are able to satisfactorily negotiate resale discounts to be applied during the Renewal Term(s). The Parties agree that the resale discount ultimately ordered by the Commission or negotiated by the Parties shall be retroactive to the expiration date of the Initial Term.

21.3 Default. When a Party believes that the other Party is in violation of a material term or condition of this Agreement (“**Defaulting Party**”), it shall provide written notice to such Defaulting Party of such violation prior to commencing the dispute resolution procedures set forth in Section 28.3 and it shall be resolved in accordance with the procedures established in Section 28.3.

21.4 Transitional Support.

21.4.1 In the event of the termination or expiration of this Agreement for any reason, each Party agrees to maintain the level and quality of services still being provided by it as of the date of termination or expiration of this Agreement (“**Transition Date**”), and to cooperate reasonably in an orderly and efficient transition to a successor provider.

21.4.2 Each Party agrees (i) to furnish services during a period for up to two hundred (200) days (or such longer period as may be agreed by the Parties) after the Transition Date ("Transition Period") on terms and conditions and at charges that are the same as those in effect upon the Transition Date, and (ii) to enter into an agreement with the other Party for a transition plan that specifies the nature, extent, and schedule of the services to be provided during such Transition Period. During the Transition Period, CBT and TELIGENT will cooperate in good faith to effect an orderly transition of service under this Agreement. CBT and TELIGENT agree to exercise their respective reasonable efforts to avoid or minimize service disruptions or degradation in services during such transition.

21.5 Payment Upon Expiration or Termination. In the case of the expiration or termination of this Agreement for any reason, each of the Parties shall be entitled to payment for all services performed and expenses incurred or accrued prior to such expiration or termination, provided that such Party would be entitled to recover for such services or expenses under the provisions of this Agreement.

ARTICLE XXII DISCLAIMER OF REPRESENTATIONS AND WARRANTIES

EXCEPT AS EXPRESSLY PROVIDED UNDER THIS AGREEMENT, NO PARTY MAKES OR RECEIVES ANY WARRANTY, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO THE SERVICES, FUNCTIONS AND PRODUCTS IT PROVIDES OR IS CONTEMPLATED TO PROVIDE UNDER THIS AGREEMENT AND EACH PARTY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR OF FITNESS FOR A PARTICULAR PURPOSE.

ARTICLE XXIII CANCELLATION CHARGES

Except as set forth in this Agreement cancellation charges shall not be imposed upon, or payable by, either Party. However, if services are provided under a tariffed volume or term discount, then the applicable tariff termination liability shall apply.

ARTICLE XXIV SEVERABILITY

24.1 Severability. If any provision of this Agreement shall be held to be illegal, invalid or unenforceable, each Party agrees that such provision shall be enforced to the maximum extent permissible so as to effect the intent of the Parties, and the validity, legality and enforceability of the remaining provisions of this Agreement shall not in any way be affected or impaired thereby. However, the Parties shall negotiate in good faith to amend this Agreement to replace, with enforceable language that reflects such intent as closely as possible, the unenforceable language and any provision that would be materially affected by vacation of the unenforceable language.

24.2 Non-Contravention of Laws. Nothing in this Agreement shall be construed as requiring or permitting either Party to contravene any mandatory requirement of Applicable Law.

ARTICLE XXV INDEMNIFICATION

25.1 General Indemnity Rights. Each Party (the “**Indemnifying Party**”) shall defend and indemnify the other Party, its officers, directors, employees and permitted assignees (collectively, the “**Indemnified Party**”) and hold such Indemnified Party harmless against

- (a) any Loss to a third person arising out of: the negligent acts or omissions, or willful misconduct or breach of a material term of this Agreement (“**Fault**”) by such Indemnifying Party or the Fault of its employees, agents and subcontractors; provided, however, that (1) with respect to employees or agents of the Indemnifying Party, such Fault occurs while performing within the scope of their employment, (2) with respect to subcontractors of the Indemnifying Party, such Fault occurs in the course of performing duties of the subcontractor under its subcontract with the Indemnifying Party, and (3) with respect to the Fault of employees or agents of such subcontractor, such Fault occurs while performing within the scope of their employment by the subcontractor with respect to such duties of the subcontractor under the subcontract; and provided, however, that, in cases where the Loss to the third person is caused in part by the Fault of the Indemnified Party, its employees, agents or subcontractors, the indemnity obligation shall be limited to the Indemnifying Party's proportionate Fault (it being specifically contemplated that in cases where each Party bears some degree of Fault, each Party is responsible for indemnifying the other with respect to the same Loss as to its proportionate Fault);
- (b) any Loss arising from such Indemnifying Party's use of services offered under this Agreement, involving pending or threatened claims, actions, proceedings or suits (“**Claims**”), claims for libel, slander, invasion of privacy, or infringement of Intellectual Property rights arising from the Indemnifying Party's communications;
- (c) any and all penalties imposed upon the Indemnifying Party's failure to comply with the Communications Assistance to Law Enforcement Act of 1994 (“**CALEA**”) and, at the sole cost and expense of the Indemnifying Party, any amounts necessary to modify or replace any equipment, facilities or services provided to the Indemnified Party under this Agreement to ensure that such equipment, facilities and services fully comply with CALEA.

25.2 Intellectual Property Rights and Indemnification.

25.2.1 Any intellectual property which originates from or is developed by a Party shall remain in the exclusive ownership of that Party. Each Party shall ensure that it has obtained the necessary licenses required in order to carry out its own responsibilities under this agreement. No licenses or intellectual property rights are granted or implied, but no license or intellectual property rights shall prohibit or prevent the Parties from carrying out their duties as set forth in this agreement or receiving the services set forth in this agreement, unless specifically set forth in this agreement.

25.3 Environmental Contamination. Neither Party shall in any event be liable to the other Party for any costs whatsoever resulting from the presence or release of any environmental hazard such Party did not cause or contribute to causing. Each Party shall, at the other Party's request, indemnify, defend, and hold harmless the other Party, each of its officers, directors and employees from and against any losses, damages, claims, demands, suits, liabilities, fines, penalties and expenses (including reasonable attorneys fees) that arise out of or from (i) any environmental hazard that such Party, its contractors or agents caused in the work locations or (ii) the presence or release of any environmental hazard for which such Party is responsible under Applicable Law. In the event both Parties contribute to such environmental hazard, they shall each proportionately bear such liability.

25.4 Indemnification Procedures. Whenever a Claim shall arise for indemnification under this Article XXV, the relevant Indemnified Party, as appropriate, shall promptly notify the Indemnifying Party and request the Indemnifying Party to defend the same. Failure to so notify the Indemnifying Party shall not relieve the Indemnifying Party of any liability that the Indemnifying Party might have, except to the extent that such failure prejudices the Indemnifying Party's ability to defend such Claim. The Indemnifying Party shall have the right to defend against such liability or assertion in which event the Indemnifying Party shall give written notice to the Indemnified Party of acceptance of the defense of such Claim and the identity of counsel selected by the Indemnifying Party. Until such time as the Indemnifying Party provides such written notice of acceptance of the defense of such Claim, the Indemnified Party shall defend such Claim, at the expense of the Indemnifying Party, subject to any right of the Indemnifying Party, to seek reimbursement for the costs of such defense in the event that it is determined that the Indemnifying Party had no obligation to indemnify the Indemnified Party for such Claim. The Indemnifying Party shall have exclusive right to control and conduct the defense and settlement of any such Claims subject to consultation with the Indemnified Party. The Indemnifying Party shall not be liable for any settlement by the Indemnified Party unless such Indemnifying Party has approved such settlement in advance and agrees to be bound by the agreement incorporating such settlement. At any time, an Indemnified Party shall have the right to refuse a compromise or settlement and, at such refusing Party's cost, to take over such defense; provided that in such event the Indemnifying Party shall not be responsible for, nor shall it be obligated to indemnify the relevant Indemnified Party against, any cost or liability in excess of such refused compromise or settlement. With respect to any defense accepted by the Indemnifying Party, the relevant Indemnified Party shall be entitled to participate with the Indemnifying Party in such defense if the Claim requests equitable relief or other relief that could affect the rights of the Indemnified Party and also shall be entitled to employ separate counsel for such defense at such Indemnified Party's expense. If the Indemnifying Party does not accept the defense of any indemnified Claim as provided above, the relevant Indemnified Party shall have the right to employ counsel for such defense at the expense of the Indemnifying Party. Each Party agrees to cooperate and to cause

its employees and agents to cooperate with the other Party in the defense of any such Claim and the relevant records of each Party shall be available to the other Party with respect to any such defense, subject to the restrictions and limitations set forth in Article XX.

ARTICLE XXVI LIMITATION OF LIABILITY

26.1 Limited Responsibility.

26.1.1 Each Party shall be responsible only for service(s) and facility(ies) which are provided by that Party, its affiliates, authorized agents, subcontractors, or others retained by such parties, and neither Party shall bear any responsibility for the services and facilities provided by the other Party, the other Party's affiliates, agents, subcontractors, or other persons retained by such parties. No Party shall be liable for any act or omission of another Telecommunications Carrier (other than an affiliate) providing a portion of a service, unless such Telecommunications Carrier is an authorized agent, subcontractor, or other retained by the party providing the service.

26.1.2 Notwithstanding anything to the contrary contained herein, CBT's liability to TELIGENT and any third party for a claim or loss with respect to the provision of 9-1-1 Service shall be limited to the maximum extent permitted by Applicable Law.

26.2 Apportionment of Fault. In the case of any Loss arising from the negligence or willful misconduct of both Parties, each Party shall bear, and its obligation shall be limited to, that portion of the resulting expense caused by its negligence or misconduct or the negligence or misconduct of such Party's affiliates, agents, contractors or other persons acting in concert with it.

26.3 Damages. Neither Party shall be liable to the other for any indirect, incidental, special or consequential damages arising out of or related to this Agreement or the provision of service hereunder. Notwithstanding the foregoing limitation, a Party's liability shall not be limited by the provisions of this Article XXVI in the event of its willful or intentional misconduct, including gross negligence, or its repeated breach of any one or more of its obligations under this Agreement. A Party's liability shall not be limited with respect to its indemnification obligations.

26.4 Remedies.

26.4.1 The obligations of and the services offered by each Party under this Agreement are unique. Accordingly, in addition to any other available rights or remedies, a Party may sue in equity for specific performance.

26.4.2 In the event CBT fails to switch a subscriber to TELIGENT service as requested through a TELIGENT service request, within the intervals agreed upon by the Parties, or in the event TELIGENT directs CBT to switch a subscriber without valid Customer authorization to do so, the continued provision of Telecommunications Services to such subscriber by the incorrect Party shall be deemed an improper change in subscriber carrier selection, commencing with the time at which CBT failed to switch such subscriber or TELIGENT improperly directed such change, as the case may be. In such event, the unauthorized carrier Party shall reimburse the other Party in an

amount equal to all charges due and owing by such subscriber for services provided from the time of such improper change in carrier selection to the time at which the correct selection is accomplished by CBT or within the agreed upon interval from the time proper direction by TELIGENT is provided to CBT, as the case may be.

26.4.3 All rights of termination, cancellation or other remedies prescribed in this Agreement, or otherwise available, are cumulative and are not intended to be exclusive of other remedies to which the injured party may be entitled at law or equity in case of any breach or threatened breach by the other Party of any provision of this Agreement. Use of one or more remedies shall not bar use of any other remedy for the purpose of enforcing the provisions of this Agreement. Notwithstanding the foregoing, however, the Parties agree that the credits for performance standards failures contained in Section 17 are intended to act as liquidated damages and, if elected by TELIGENT, shall be deemed the exclusive remedy to compensate TELIGENT for CBT's failure to meet the particular performance standards at issue.

ARTICLE XXVII BILLING

27.1 Billing.

27.1.1 Each Party will bill all applicable charges, at the rates set forth herein, in the Pricing Schedule and as set forth in applicable tariffs or contracts referenced herein, for the services provided by that Party to the other Party in accordance with this Article XXVII and the Implementation Plan.

27.1.2 The Parties agree that in order to ensure the proper performance and integrity of the entire billing process, each Party will be responsible and accountable for transmitting to the other Party an accurate and current bill. Each Party agrees to implement control mechanisms and procedures to render a bill that accurately reflects the services ordered and used by the other Party.

27.1.3 The Parties agree not to pay Reciprocal Compensation on traffic that originates on a Party's network, is transported and handed off to the other Party, and then routed/delivered to an ISP Point of Presence.

27.1.4 CBT shall attempt to comply with OBF standards in its CRIS and CABS billing format.

27.1.5 CBT will assign a unique billing codes as agreed upon by the Implementation Team.

27.2 Recording. To the extent technically feasible, the Parties shall record all available call detail information associated with calls originated or terminated to the other Party in accordance with the Implementation Plan and as specifically required herein.

27.3 Payment of Charges. Subject to the terms of this Agreement, a Party shall pay the other Party ("**Billing Party**") all undisputed amounts on or before the date ("**Bill Due Date**") which is thirty-one (31) calendar days after the bill date or by the next bill date, whichever is shortest. If the Bill Due Date is on a day other than a Business Day, payment will be due and the Bill Due Date shall be the next following Business Day. Payments shall be made in U.S. Dollars (i) via electronic funds transfer ("**EFT**") with immediately available funds to the other Party's bank account or (ii) in order to accommodate TELIGENT's existing payment arrangements with CBT and established credit rating, by check. To the extent that a Party (the "**Paying Party**") pays via EFT, within thirty (30) days of the Effective Date, the other Party shall provide the Paying Party the name and address of its bank, its account and routing number and to whom payments should be made payable. If such banking information changes, the other Party shall provide the Paying Party at least sixty (60) days' written notice of the change and such notice shall include the new banking information. If a Party receives multiple invoices which are payable on the same date, such Party may remit one payment for the sum of all amounts payable to the other Party. Each Party shall provide the other Party with a contact person for the handling of payment questions or problems.

27.4 Late Payment Charges. Except for Disputed Amounts, if a Party fails to remit payment for any charges for services by the Bill Due Date, or if a payment or any portion of a payment is received by a Party after the Bill Due Date, or if payment is not made by check that is currently dated and drawn on an account with sufficient available funds, then a late payment charge may be assessed as provided in Section 27.7.

27.5 Failure to Pay. If a Party fails to pay an undisputed amount, in addition to exercising any other rights or remedies it may have under Applicable Law, the Billing Party may stop processing the Nonpaying Party's orders for services and unbundled network elements until such date that such undisputed amounts have been received by the Billing Party in immediately available funds.

27.6 Termination for Nonpayment Failure to pay all amounts due that are not Disputed Amounts, including late payment charges, within thirty (30) days of the Bill Due Date for such charges is a material violation of this agreement. The Agreement may be terminated by the Billing Party under the following conditions:

- (a) The Billing Party must provide written notice to the Nonpaying Party, with a copy to the Commission, of the amounts owed the Billing Party and that disconnection of service will occur if prompt payment of the undisputed past due balance is not paid within thirty (30) days of such notice.
- (b) If the Nonpaying Party fails to pay the amounts due that are not Disputed Amounts within 30 days of notification by the Billing Party, the Billing Party may terminate this Agreement and service to the Nonpaying Party.
- (c) In the event this Agreement is terminated for nonpayment, the Billing Party shall be entitled to payment of all amounts due from the Nonpaying Party in accordance with Section 21.5.

27.7 Adjustments.

27.7.1 As provided in this Agreement, a Party shall promptly reimburse (if paid) or credit (if invoiced, but not paid) the other Party for any charges that should not have been billed to

the other Party as provided in this Agreement along with accrued interest on any reimbursed amounts as provided in **Section 27.8**. Such reimbursements or credits shall be set forth in the appropriate section of the invoice.

27.7.2 As provided in this Agreement, a Party shall bill the other Party for any charges that should have been billed to the other Party as provided in this Agreement, but have not been billed to the other Party ("**Underbilled Charges**"); provided, however that, except as provided in **Article XXVIII**, the Billing Party shall not bill for Underbilled Charges which were incurred more than ninety (90) days prior to the date that the Billing Party transmits a bill for any Underbilled Charges. For purposes of charges received from another entity, they are deemed incurred when received by CBT but must be billed within 45 days from such date.

27.8 Interest on Unpaid or Overbilled Amounts. Except as otherwise provided elsewhere, any undisputed amounts not paid when due or any amounts paid that were paid as a result of a billing error, as the case may be, shall accrue interest from the date such amounts were due or received, as the case may be, at the lesser of (i) one and one-half percent (1½%) per month or (ii) the highest rate of interest that may be charged under Applicable Law, compounded daily for the number of days from the Bill Due Date or date such overpayment was received until the date that payment or reimbursement, as the case may be, is actually received by the appropriate Party.

27.9 Single Point of Contact. CBT shall provide to TELIGENT a single point of contact, CBT's LEC-C, for handling any billing questions or problems that may arise during the implementation and performance of the terms and conditions of this Agreement.

ARTICLE XXVIII DISPUTED AMOUNTS, AUDIT RIGHTS AND DISPUTE RESOLUTION

28.1 Disputed Amounts.

28.1.1 If any portion of an amount due to a Party (the "**Billing Party**") under this Agreement is subject to a bona fide dispute between the Parties, the Party billed (the "**Non-Paying Party**") shall, prior to the Bill Due Date, give written notice to the Billing Party of the amounts it disputes ("**Disputed Amounts**") and include in such written notice the specific details and reasons for disputing each item; provided, however, a failure to provide such notice by that date shall not preclude a Party from subsequently challenging billed charges provided that such charges were paid. The Non-Paying Party shall pay when due all undisputed amounts to the Billing Party.

Notwithstanding the foregoing, except as provided in Section 28.2, a Party shall be entitled to dispute only those charges for which the Date was within the immediately preceding eighteen (18) months of the date on which the other Party received notice of such Disputed Amounts.

28.1.2 If the Non-Paying Party disputes charges and the dispute is resolved in favor of such Non-Paying Party, the Billing Party shall credit the invoice of the Non-Paying Party for the amount of the Disputed Amounts along with any applicable late payment charges no later than the second Bill Due Date after the resolution of the Dispute. Accordingly, if a Non-Paying Party disputes charges and the dispute is resolved in favor of the Billing Party, the Non-Paying Party shall pay the

Billing Party the amount of the Disputed Amounts and any associated late payment charges no later than the second Bill Due Date after the resolution of the Dispute. Late payment charges shall be assessed as set forth in **Section 27.7**.

28.1.3 If the Parties are unable to resolve the issues related to the Disputed Amounts in the normal course of business within sixty (60) days after delivery to the Billing Party of notice of the Disputed Amounts, each of the Parties shall appoint a designated representative who has authority to settle the Dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the Dispute and negotiate in good faith in an effort to resolve such Dispute. The specific format for such discussions will be left to the discretion of the designated representatives; however all reasonable requests for relevant information made by one Party to the other Party shall be honored.

28.1.4 If the Parties are unable to resolve issues related to the Disputed Amounts within forty-five (45) days after the Parties' appointment of designated representatives pursuant to **Section 28.3**, then either Party may file a complaint with the Commission to resolve such issues or proceed with any other remedy pursuant to law or equity. The Commission or the FCC may direct payment of any or all Disputed Amounts (including any accrued interest) thereon or additional amounts awarded, plus applicable late fees, to be paid to either Party.

28.1.5 The Parties agree that all negotiations pursuant to this **Section 28.1** shall remain confidential in accordance with **Article XX** and shall be treated as compromise and settlement negotiations for purposes of the Federal Rules of Evidence and state rules of evidence.

28.2 Audit Rights.

28.2.1 As used herein "Audit" shall mean a comprehensive review of services performed under this Agreement; "Examination" shall mean an inquiry into a specific element of or process related to services performed under this Agreement. Subject to the restrictions set forth in **Article XX**, a Party ("Auditing Party") may audit the other Party's ("Audited Party") books, records, data and other documents, as provided herein, one (1) time each Contract Year for the purpose of evaluating the accuracy of Audited Party's billing and invoicing. The scope of the Audit shall be limited to the (i) the period subsequent to the last day of the period covered by the Audit which was last performed (or if no Audit has been performed, the Effective Date) and (ii) the twenty-four (24) month period immediately preceding the date the Audited Party received notice of such requested audit. Unless otherwise agreed upon by the Parties in writing, such audit shall begin no fewer than thirty (30) days after Audited Party receives a written notice requesting an audit and shall be conducted by one (1) or more auditor(s) mutually agreed upon by the Parties. The Parties shall select such auditor(s) by the thirtieth day following Audited Party's receipt of a written audit notice. The Auditing Party shall cause the auditor(s) to execute a nondisclosure agreement in a form agreed upon by the Parties.

28.2.2 Upon thirty (30) days written notice by TELIGENT to CBT, TELIGENT shall have the right through its authorized representative to conduct an Examination, during Normal Business Hours, of CBT records, accounts and processes which contain information related to the services provided and performance standards agreed to under this Agreement. Within the above-

described 30-day period, the parties shall reasonably agree upon the scope of the Examination, the documents and processes to be reviewed, and the time, place and manner in which the Examination shall be performed. CBT agrees to provide support, including appropriate access to and use of CBT's facilities (e.g., conference rooms, telephones, copying machines and washrooms).

28.2.3 Except as set forth in **Section 28.2.1**, each Party shall bear its own expenses in connection with the conduct of any Audit or Examination. The reasonable cost of special data extractions required by TELIGENT to conduct the Audit or Examination will be paid for by TELIGENT. For purposes of this **Section 28.1**, a "Special Data Extraction" shall mean the creation of an output record or informational report (from existing data files) that is not created in the normal course of business. Each Audit shall be conducted on the premises of Audited Party during Normal Business Hours. Audited Party shall cooperate fully in any such audit, providing the independent auditor reasonable access to any and all appropriate Audited Party employees and books, records and other documents reasonably necessary to assess the accuracy of Audited Party's billing and invoicing. No Party shall have access to the raw data of the other Party, but shall rely upon summaries or redacted documents provided by the independent auditor. Each Party shall maintain reports, records and data relevant to the billing of any services that are the subject matter of this Agreement for a period of not less than twenty-four (24) months after creation thereof, unless a longer period is required by Applicable Law.

28.2.4 If any Audit or Examination confirms any undercharge or overcharge, then Audited Party shall (i) for any overpayment promptly correct any billing error, including refunding any overpayment by Auditing Party in the form of a credit on the invoice for the first full billing cycle after the Parties have agreed upon the accuracy of the audit results and (ii) for any undercharge caused by the actions of or failure to act by Audited Party, immediately compensate Auditing Party for such undercharge. In each case, the amount shall be with interest at the lesser of one and one-half percent (1 ½%) per month and the highest rate of interest that may be charged under Applicable Law, compounded daily, for the number of days from the date on which such undercharge or overcharge originated until the date on which such credit is issued or payment is received, as the case may be. Notwithstanding the foregoing, TELIGENT shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by CBT to TELIGENT within ten (10) months of the date such usage was incurred.

28.2.5 Any Disputes concerning audit results shall be referred to the Parties' designated personnel responsible for informal resolution. If these individuals cannot resolve the Dispute within thirty (30) days of the referral, either Party may request in writing that one additional audit shall be conducted by an independent auditor acceptable to both Parties, subject to the requirements set out in **Section 28.2.1**. Such additional audit shall be at the requesting Party's expense. If the second audit fails to resolve the Dispute, the matter shall be resolved in accordance with the procedures set forth in **Section 28.3**.

28.2.6 This **Section 28.2** shall survive expiration or termination of this Agreement for a period of two (2) years after expiration or termination of this Agreement.

28.3 Dispute Escalation and Resolution.

Except as otherwise provided herein, any dispute, controversy or claim (individually and collectively, a “**Dispute**”) arising under this Agreement shall be resolved in accordance with the procedures set forth in this **Section 28.3**.

28.3.1 In the event of a Dispute between the Parties relating to this Agreement and upon the written request of either Party, each of the Parties shall appoint a designated representative who has authority to settle the Dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the Dispute and negotiate in good faith in an effort to resolve such Dispute. The specific format for such discussions will be left to the discretion of the designated representatives; however, all reasonable requests for relevant information made by one Party to the other Party shall be honored. The Parties shall attempt in good faith to address any default or resolve any Dispute by applying the appropriate rules, guidelines or regulations of the Commission. If the Parties are unable to resolve issues related to a Dispute within thirty (30) days after the Parties' appointment of designated representatives as set forth above, or if a Party fails to appoint a designated representative within said thirty (30) days, a Party or the other Party, as appropriate, may pursue all available remedies in the event there is no satisfactory resolution pursuant to this **Section 28.3.1**.

28.3.2 The Parties agree that any Dispute arising out of or relating to this Agreement that the Parties themselves cannot resolve as set forth in Section 28.3.1, may be submitted to the Commission for resolution by complaint case. The Parties agree to seek expedited resolution by the Commission, and, unless otherwise agreed, shall seek such resolution no later than sixty (60) days from the date of submission of such dispute to the Parties' designated representatives. If the Commission appoints an expert(s) or other facilitator(s) to assist in its decision making, each party shall pay half of all fees and expenses so incurred. During the Commission proceeding, each Party shall continue to perform its obligations under this Agreement, unless otherwise ordered by the Commission. A Party may pursue any available remedies in the event there is no satisfactory resolution pursuant to this **Section 28.3.2**.

28.3.3 In no event shall the Parties permit the pending of a Dispute or other proceeding to disrupt service to any TELIGENT Customer or CBT Customer.

28.4 Equitable Relief. Notwithstanding the foregoing, this **Article XXVIII** shall not be construed to prevent either Party from seeking and obtaining temporary equitable remedies, including temporary restraining orders, if, in its judgment, such action is necessary to avoid irreparable harm. Despite any such action, the Parties will continue to participate in good faith in the dispute resolution procedures described in this **Article XXVIII**.

ARTICLE XXIX REGULATORY APPROVAL

29.1 Commission Approval. The Parties understand and agree that this Agreement will be filed with the Commission for approval by such Commission (or the FCC if the Commission fails to act) pursuant to Section 252 of the Act. Each Party specifically reserves its right to judicial review of this Agreement under Section 252(e)(6) of the Act, or any other available remedy at law or equity.

If the Commission, the FCC or any court rejects any portion of this Agreement, the Parties agree to meet and negotiate in good faith to arrive at a mutually acceptable modification of the rejected portion and any provisions that would be materially affected by deletion of the rejected portion; provided that such rejected portion shall not affect the validity of the remainder of this Agreement.

The Parties acknowledge that nothing in this Agreement shall limit a Party's ability, independent of such Party's agreement to support and participate in the approval of this Agreement, to assert public policy issues relating to the Act, including challenging the validity of any portion of the Act or an FCC or Commission rule, order, Guideline or other determination made pursuant to the Act, or the application by CBT for suspension or modification of portions of the Act or rules pursuant to Section 251(f)(2) of the Act. In the event CBT obtains a suspension or modification of any portion of the Act or rules thereunder pursuant to Section 252(f)(2) of the Act, the Parties shall negotiate as necessary to incorporate the applicable terms and conditions of such suspension or modification and the Parties agree to negotiate as necessary in order to clarify the application of such suspension or modification to the terms of into this Agreement.

29.2 Tariffs. If either Party is required by any governmental authority to file a tariff or make another similar filing to implement any provision of this Agreement (other than a tariff filed by a Party that generally relates to one or more services provided under this Agreement but not specifically to the other Party), such Party shall take all steps reasonably necessary to ensure that such tariff or other filing imposes obligations upon such Party that are as close as possible to those provided in this Agreement and preserves for such other Party the full benefit of the rights otherwise provided in this Agreement. If, subsequent to the effective date of any such tariff, a Party is no longer required to file tariffs with the Commission or the FCC, either generally or for specific services, the Parties agree to modify this Agreement to reflect herein the relevant and consistent terms and conditions of such tariffs as of the date on which the requirement to file such tariffs was lifted. Nothing in this **Section 29.2** shall be construed to grant a Party any right to review any tariff filing of the other Party other than as provided under Applicable Law.

29.3 Amendment or Other Changes to the Act; Reservation of Rights. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based in part on the text of the Act and the rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date. In the event of any amendment to the Act, or any effective legislative, regulatory, judicial order, rule or regulation or other legal action that revises or reverses the Act, the FCC's First Report and Order in CC Docket Nos. 96-98 and 95-185, and CS Docket No. 96-166, or any applicable Commission rule, Local Service Guideline, order or arbitration award purporting to apply the provisions of the Act (individually and collectively, an "**Amendment to the Act**"), either Party may, by providing written notice to the other Party require that any provision that would be materially affected by the Amendment to the Act be renegotiated in good faith and this Agreement be amended accordingly to reflect each such Amendment to the Act relating to any of the provisions in this Agreement. If any such amendment to this Agreement affects any

rates or charges of the services provided hereunder, each Party reserves its rights and remedies with respect to the collection of such rates or charges; including the right to seek a surcharge before the applicable regulatory authority.

29.4 Regulatory Changes. If any legislative, regulatory, judicial or other legal action (other than an Amendment to the Act, which is provided for in **Section 29.3**) materially affects the ability of a Party to perform any material obligation under this Agreement, a Party may, on thirty (30) days written notice to the other Party (delivered not later than thirty (30) days following the date on which such action has become legally binding), require that the affected provision(s) be renegotiated, and the Parties shall renegotiate in good faith such mutually acceptable new provision(s) as may be required; provided that such affected provisions shall not affect the validity of the remainder of this Agreement.

29.5 Interim Rates. If the rates, charges and prices set forth in this Agreement are "interim rates" established by the Commission or the FCC, the Parties agree to replace such interim rates with the rates, charges or prices later established by the Commission or the FCC pursuant to the pricing standards of Section 252 of the Act and such rates, charges and prices shall be effective as determined by the Commission or the FCC.

ARTICLE XXX REFERRAL ANNOUNCEMENT

When a Customer changes its service provider from CBT to TELIGENT, or from TELIGENT to CBT, and does not retain its original telephone number, the Party formerly providing service to such Customer shall provide a referral announcement ("**Referral Announcement**") on the abandoned telephone number which provides details on the Customer's new number. Referral Announcements shall be provided reciprocally, free of charge to both the other Party and the Customer, for a period consistent with the Minimum Telephone Service Standards ("**MTSS**"), *i.e.*, "... ninety (90) days for all customers." However, if either Party provides Referral Announcements for a period longer than the above period when its Customers change their telephone numbers, such Party shall provide the same level of service to Customers of the other Party. Business customers will receive referral service for main listed telephone numbers. Additional numbers can be referred at an additional charge.

ARTICLE XXXI MISCELLANEOUS

31.1 Authorization.

31.1.1 Cincinnati Bell Telephone Company is a corporation duly organized, validly existing and in good standing under the laws of the state of Ohio and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder.

31.1.2 Teligent, Inc. is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware TELIGENT and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. TELIGENT represents

and warrants to CBT that it has been certified as a LEC by the Commission and is authorized to provide, within the areas where it intends to provide services pursuant to this Agreement in the Commonwealth of Kentucky, the services it has contracted to provide herein.

31.2 Designation of Affiliate.

31.2.1 Each Party may without the consent of the other Party fulfill its obligations under this Agreement by itself or may cause its affiliates to take some or all of such actions to fulfill such obligations. Upon such designation, the affiliate shall become a co-obligor hereunder with respect to the delegated matter, but such designation shall not relieve the designating Party of its obligations as primary obligor hereunder. Any Party which elects to perform its obligations through an affiliate shall cause its affiliate to take all action necessary for the performance hereunder of such Party's obligations. Each Party represents and warrants that if an obligation under this Agreement is to be performed by an affiliate, such Party has the authority to cause such affiliate to perform such obligation and such affiliate will have the resources required to accomplish the delegated performance.

31.2.2 All of the benefits to be provided hereunder for CBT or TELIGENT, as the case may be, will be provided to that Party's affiliates if and to the extent that a Party desires to conduct all or part of its respective business operations contemplated hereunder through affiliates.

31.3 Subcontracting. Except as provided in Section 12.10, either Party may subcontract the performance of its obligation under this Agreement without the prior written consent of the other Party; provided, however, that the Party subcontracting such obligation shall remain fully responsible for the performance of such obligation and be solely responsible for payments due its subcontractors.

31.4 Independent Contractor. Each Party shall perform services hereunder as an independent contractor and nothing herein shall be construed as creating any other relationship between the Parties. Each Party and each Party's contractor shall be solely responsible for the withholding or payment of all applicable federal, state and local income taxes, social security taxes and other payroll taxes with respect to their employees, as well as any taxes, contributions or other obligations imposed by applicable state unemployment or workers' compensation acts. Each Party has sole authority and responsibility to hire, fire and otherwise control its employees.

31.5 Force Majeure. Neither Party shall be responsible for any delay or failure in performance of any part of this Agreement (other than obligations to make money payments, reimbursements or issue credits) resulting from any cause beyond the reasonable control of such Party, including acts of nature, acts of God, acts of civil or military authority, any law, order, regulation or ordinance of any government or legal body, embargoes, epidemics, war, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, work stoppages, power blackouts, or unusually severe weather. If a Force Majeure Event shall occur, the Party affected shall give prompt notice to the other Party of such Force Majeure Event specifying the nature, date of inception and expected duration of such Force Majeure Event, whereupon such obligation or performance shall be suspended to the extent such Party is affected by such Force Majeure Event during the continuance thereof and/or be excused from such performance (and the other Party shall likewise be excused from performance of its obligations to the extent such Party's obligations related to the performance so interfered with). The affected Party shall use its reasonable efforts to avoid

or remove the cause of nonperformance and the Parties shall give like notice and proceed to perform with dispatch once the causes are removed or cease. In the event of any such excused delay in the performance of a Party's obligation(s) under this Agreement, the due date for the performance of the original obligation(s) shall be extended by a term equal to the time lost by reason of the delay and by a reasonable amount of time required to reconstruct network infrastructure or of the components thereof. Upon the elimination of the delaying condition and to the extent the delaying condition was equally applicable to its own operations, the delaying Party shall perform its obligations at a performance level no less than that which it uses for its own operations. In the event of such performance delay or failure by CBT caused by the force majeure event, CBT agrees to resume performance in a nondiscriminatory manner, and CBT agrees not to favor its own restoration of Telecommunications Services above that of TELIGENT.

31.6 Governing Law.

This Agreement shall be governed by and construed in accordance with the Act, except insofar as state law may control any aspect of this Agreement, in which case the domestic laws of the Commonwealth of Kentucky shall govern, without reference to its conflict of law provisions.

31.7 Taxes.

31.7.1 Each Party purchasing services hereunder shall pay or otherwise be responsible for all federal, state, or local sales, use, excise, gross receipts, transaction or similar taxes, fees or surcharges levied against or upon such purchasing Party (or the providing Party when such providing Party is permitted to pass along to the purchasing Party such taxes, fees or surcharges), except for any tax on either Party's corporate existence, status or income. Whenever possible, these amounts shall be billed as a separate item on the invoice. To the extent a sale is claimed to be for resale, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation by the jurisdiction providing said resale tax exemption. Failure to timely provide said resale tax exemption certificate will result in no exemption being available to the purchasing Party for any charges invoiced prior to the date such exemption certificate is furnished. To the extent that a Party includes gross receipts taxes in any of the charges or rates of services provided hereunder, no additional gross receipts taxes shall be levied against or upon the purchasing Party.

31.7.2 The Party obligated to pay any such taxes may contest the same in good faith, at its own expense, and shall be entitled to the benefit of any refund or recovery; provided that such contesting Party shall not permit any lien to exist on any asset of the other Party by reason of such contest. The Party obligated to collect and remit shall cooperate in any such contest by the other Party. As a condition of contesting any taxes due hereunder, the contesting Party agrees to be liable and indemnify and reimburse the other Party for any additional amounts that may be due by reason of such contest, including any interest and penalties.

31.8 Non-Assignment. Neither Party may assign or transfer (whether by operation of law or otherwise) this Agreement (or any rights or obligations hereunder) to a third person without the prior written consent of the other Party; provided that each Party may assign or transfer this Agreement to an affiliate in accordance with Section 31.2 by providing prior written notice to the other Party of such assignment or transfer; provided, further, that such assignment is not inconsistent

with Applicable Law or the terms and conditions of this Agreement. No assignment or delegation hereof should relieve the assignor of its obligation under this Agreement. Any attempted assignment or transfer that is not permitted is void ab initio. Without limiting the generality of the foregoing, this Agreement shall be binding upon and shall inure to the benefit of the Parties' respective successors and assigns and the assigning Party will remain liable for the performance of any assignee.

31.9 Non-Waiver. No waiver of any provision of this Agreement and no consent to any default under this Agreement shall be effective unless the same shall be in writing and properly executed by or on behalf of the Party against whom such waiver or consent is claimed. Failure of either Party to insist on performance of any term or condition of this Agreement or to exercise any right or privilege hereunder shall not be construed as a general waiver or relinquishment of such term, condition, right or privilege.

31.10 Notices. Notices given by one Party to the other Party under this Agreement shall be in writing (unless specifically provided otherwise herein) and unless otherwise specifically required by this Agreement to be delivered to another representative or point of contact, shall be (a) delivered personally, (b) delivered by express delivery service, (c) mailed, certified mail or first class U.S. mail postage prepaid, return receipt requested or (d) delivered by telecopy, with a confirmation copy sent by a method described in (a), (b) or (c) of this Section 31.10, to the following addresses of the Parties:

To TELIGENT:

TELIGENT Corporation

Attn:

Facsimile:

with a copy to:

TELIGENT

Attn: General Counsel

Facsimile:

To CBT:

Cincinnati Bell Telephone Company

201 E. Fourth Street

Cincinnati, Ohio 45201-2301

Attn: Vice President - Regulatory Affairs

Facsimile: (513) 397-2408

with a copy to:

Cincinnati Bell Telephone Company
201 E. Fourth Street, Room 715
Cincinnati, Ohio 45201-2301
Attn: Senior Vice President & General Counsel
Facsimile: (513) 721-7358

or to such other address as either Party shall designate by proper notice. Actual notice will be required in order to commence any time periods in this Agreement which require notice to the other Party.

31.11 Publicity and Use of Trademarks or Service Marks. Neither Party nor its subcontractors or agents shall use the other Party's trademarks, service marks, logos or other proprietary trade dress in any advertising, press releases, publicity matters or other materials without such Party's prior written consent, except as permitted by Applicable Law. In no event shall either Party mischaracterize the contents of this Agreement in any public statement or in any representation to a governmental entity or member thereof.

31.12 Nonexclusive Dealings. This Agreement does not prevent either Party from providing to or purchasing services from any other person nor does it obligate either Party to purchase any services from the other Party.

31.13 Section 252(i) Obligations.

31.13.1 The Parties shall comply with their respective obligations under Section 252(i) of the Act.

31.14 No Third Party Beneficiaries; Disclaimer of Agency. This Agreement is for the sole benefit of the Parties and their permitted assigns, and nothing herein express or implied shall create or be construed to create any third-party beneficiary rights hereunder. Nothing in this Agreement shall constitute one Party as the legal representative or agent of the other Party, nor shall a Party have the right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name or on behalf of the other Party, unless otherwise expressly permitted by such other Party. No Party undertakes to perform any obligation of the other Party, whether regulatory or contractual, or to assume any responsibility for the management of the other Party's business.

31.15 No License. No license under patents, copyrights, trademarks, trade secrets or any Intellectual Property right (other than the limited license to use same consistent with the terms, conditions and restrictions of this Agreement) is granted by either Party or shall be implied or arise by estoppel with respect to any transactions contemplated under this Agreement.

31.16 Survival. The Parties' obligations under this Agreement, which by their nature are intended to continue beyond the termination or expiration of this Agreement, shall survive the termination or expiration of this Agreement, including Articles XX, XXI, XXIII, XXV and XXVI and Sections 3.9.4, 6.5, 10.11.3, 12.6, 16.16, 16.18, 28.1, 28.2, 28.3, 31.7, 31.11 and 31.14.

31.17 Scope of Agreement. This Agreement is intended to describe and enable specific Interconnection and access to unbundled Network Elements and compensation arrangements between the Parties. This Agreement does not obligate either Party to provide arrangements not specifically provided herein.

31.18 Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original; but such counterparts shall together constitute one and the same instrument.

31.19 Reservation of Rights. The Parties acknowledge that certain terms of this Agreement were established by order of the Commission. The terms of this Agreement may be altered or abrogated by a successful challenge instituted under applicable law before or after the Agreement has been approved pursuant to 47 U.S.C. § 252(e)(1) or has been deemed approved by operation of law pursuant to 47 U.S.C. § 252(e)(4). By signing this Agreement, a Party does not waive its right to pursue such a challenge.

31.20 Entire Agreement. The terms contained in this Agreement and any Schedules, Exhibits, tariff provisions referenced herein and other documents or instruments referred to herein, which are incorporated into this Agreement by this reference, constitute the entire agreement between the Parties with respect to the subject matter hereof, superseding all prior understandings, proposals and other communications, oral or written. Neither Party shall be bound by any terms additional to or different from those in this Agreement that may appear subsequently in the other Party's form documents, purchase orders, quotations, acknowledgments, invoices or other communications. This Agreement may only be modified by a writing signed by an officer of each Party.

^{28TH} IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of this day of JULY, 1999.

TELIGENT

CINCINNATI BELL TELEPHONE
COMPANY

By: David Turetzky

By: Eugene J. Baldrate

Printed: _____

Printed: Eugene J. Baldrate

Title: _____

Title: Vice President-Regulatory Affairs

SCHEDULE 1.2

DEFINITIONS

"9-1-1" means the services described in Section 3.9.

"Access Toll Connecting Trunks" is as defined in Section 5.1.

"Act" means the Communications Act of 1934 (47 U.S.C. § 151 *et seq.*), as amended by the Telecommunications Act of 1996, and as from time to time interpreted in the duly authorized rules, regulations and applicable orders of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

"ADSL" or "Asymmetrical Digital Subscriber Line" means a transmission technology which transmits an asymmetrical digital signal using one of a variety of line codes.

"Advanced Intelligent Network" or "AIN" is a network functionality that permits specific conditions to be programmed into a switch which, when met, directs the switch to suspend call processing and to receive special instructions for further call handling in order to enable carriers to offer advanced features and services.

"Affiliate" is as defined by the Act.

"AMA" means the Automated Message Accounting structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Bellcore as GR-1100-CORE which defines the industry standard for message recording.

"Applicable Laws" is as defined in Section 19.2.

"As Defined in the Act" means as specifically defined by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

"As Described in the Act" means as described in or required by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

"Automatic Location Identification" or "ALI" means a feature by which the service address associated with the calling party's listed telephone number identified by ANI, as defined herein, is forwarded to the PSAP for display. Additional telephones with the same number as the calling party's, including secondary locations and off-premise extensions, will be identified with the service address of the calling party's listed number.

"Automatic Number Identification" or "ANI" means a multifrequency or CCS7 Feature Group D signaling parameter which refers to the number transmitted through a network

identifying the billing number of the calling party. With respect to E9-1-1, "ANI" means a feature by which the calling party's telephone number is automatically forwarded to the E9-1-1 Control Office and to the PSAP display.

"**Automatic Route Selection**" or "**ARS**" means a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.

"**Bellcore**" means Bell Communications Research, Inc.

"**Bill Date**" means the date that a bill is issued by a Party.

"**BLV/BLVI Traffic**" means an operator service call in which the caller inquires as to the busy status of or requests an interruption of a call on another Customer's Telephone Exchange Service line.

"**Business Day**" means Monday through Friday excluding the following holidays: New Years Day (or closest weekday), President's Day, Good Friday, Memorial Day, Independence Day (or closest weekday), Labor Day, Thanksgiving Day, Day after Thanksgiving, and Christmas Day (or closest weekday).

"**Bona Fide Request**" means the process described on Schedule 2.2.

"**Calling Party Number**" or "**CPN**" is a Common Channel Interoffice Signaling ("**CCIS**") parameter which refers to the number transmitted through a network identifying the calling party.

"**Carrier of Record**" is as defined in Section 10.11.3.

"**CABS**" means the Carrier Access Billing System which is contained in a document prepared under the direction of the Billing Committee of the OBF. The Carrier Access Billing System document is published by Bellcore in Volumes 1, 1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-001869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the billing of access and other connectivity services.

"**CCS**" means one hundred (100) call seconds.

"**Central Office Switch**" means a switch used to provide Telecommunications Services, including:

- (a) "**End Office Switches,**" which are used to terminate Customer station Loops for the purpose of Interconnection to each other and to trunks; and
- (b) "**Tandem Office Switches**" or "**Tandems,**" which are used to connect and switch trunk circuits between and among other Central Office Switches.

A Central Office Switch may also be employed as a combination End Office/Tandem Office Switch.

“Centrex” means a Telecommunications Service associated with a specific grouping of lines that uses Central Office switching equipment for call routing to handle direct dialing of calls and to provide many private branch exchange-like features.

“CLASS Features” means certain CCIS-based features available to Customers, including: Automatic Call Back; Caller Identification and related blocking features; Distinctive Ringing/Call Waiting; Selective Call Forward; and Selective Call Rejection.

“TELIGENT Directory Customer” is as defined in Section 15.1.

“Commercial Mobile Radio Service” or **“CMRS”** is As Defined in the Act.

“COBO” is as defined in Section 12.13.2(b).

“Collocation” is As Described in the Act.

“Combination” is as defined in Section 9.3.

“Commission” or **“KPSC”** means the Kentucky Public Service Commission.

“Common Channel Interoffice Signaling” or **“CCIS”** means the signaling system, developed for use between switching systems with stored-program control, in which all of the signaling information for one or more groups of trunks is transmitted over a dedicated high-speed data link rather than on a per-trunk basis and, unless otherwise agreed by the Parties, the CCIS used by the Parties shall be Signaling System 7 (SS7).

“Contract Month” means a calendar month (or portion thereof) during the term of this Agreement. Contract Month 1 shall commence on the first day of the first calendar month following the Effective Date and end on the last day of that calendar month.

“Contract Year” means a twelve (12)-month period during the term of this Agreement commencing on the Effective Date and each anniversary thereof.

“Control Office” means the Central Office providing Tandem Switching Capability for E9-1-1 calls. The Control Office controls switching of ANI information to the PSAP and also provides the Selective Routing, feature, standard speed calling features, call transfer capability and certain maintenance functions for each PSAP.

“Co-Carrier Cross Connection” means a connection provided pursuant to Collocation at the Digital Signal Cross Connect, Main Distribution Frame or other suitable frame or panel in the same building as the Collocation space between (i) the collocated Party's equipment and (ii) the equipment of a third-party collocated Telecommunications Carrier or the equipment or facilities of the other Party which provides such Collocation.

“Customer” means a third-party residence or business that subscribes to Telecommunications Services provided by either of the Parties.

“Customer Listing(s)” means a list containing the names, the telephone numbers, addresses and zip codes of Customers within a defined geographical area, except to the extent such Customers have requested not to be listed in a directory.

“Customer Name and Address Information” or **“CNA”** means the name, service address and telephone numbers of a Party's Customers for a particular Exchange Area. CNA includes nonpublished listings, coin telephone information and published listings.

“Customer Proprietary Network Information” or **“CPNI”** is As Defined in the Act.

“Customer Usage Data” is as defined in Section 10.16.1.

“Data Management System” or **“DMS”** means a system of manual procedures and computer processes used to create, store and update the data required to provide the Selective Routing (**“SR”**) and ALI features.

“Delaying Event” means (a) any failure of a Party to perform any of its obligations set forth in this Agreement, caused in whole or in part by (i) the failure of the other Party to perform any of its obligations set forth in this Agreement (including the Implementation Schedule), or (ii) any delay, act or failure to act by the other Party or its Customer, agent or subcontractor; (b) any underforecast by TELIGENT for Network Elements or Interconnection trunks that is off by more than twenty percent (20%) or (c) any Force Majeure Event.

“Delivery Date” is as defined in Sections 12.13.2(c) and 12.13.3(c).

“Dialing Parity” is As Defined in the Act.

“Derivative Information” is as defined in Section 20.1.1(b).

“Digital Signal Level” means one of several transmission rates in the time-division multiplex hierarchy.

“Digital Signal Level 0” or **“DS0”** means the 64 kbps zero-level signal in the time-division multiplex hierarchy.

“Digital Signal Level 1” or **“DS1”** means the 1.544 Mbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS1 is the initial level of multiplexing.

“Digital Signal Level 3” or **“DS3”** means the 44.736 Mbps third-level in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS3 is defined as the third level of multiplexing.

“**Directory Listings**” refers to subscriber information, including but not limited to name, address and phone numbers, that is published in any media, including but not limited to traditional white/yellow page directories, specialty directories, CD ROM and other electronic formats.

“**Disclosing Party**” is as defined in Section 20.1.1.

“**Dispute**” is as defined in Section 28.3

“**Disputed Amounts**” is as defined in Section 28.1.1.

“**Documentation of Authorization**” is as defined in Schedule 10.11.1.

“**Emergency Services**” mean police, fire, ambulance, rescue and medical services.

“**E9-1-1**” or “**Enhanced 9-1-1 (E9-1-1) Service**” provides completion of 9-1-1 calls via dedicated trunking facilities and includes Automatic Number Identification (ANI), Automatic Location Identification (ALI) and/or Selective Routing (SR).

“**equal in quality**” is as defined in Section 3.6.

“**Exchange Access**” is As Defined in the Act.

“**Exchange Area**” means an area, defined by the Commission, for which a distinct local rate schedule is in effect.

“**Exchange Message Record**” or “**EMR**” means the standard used for exchange of Telecommunications message information among Telecommunications providers for billable, non-billable, sample, settlement and study data. EMR format is contained in Bellcore Practice BR-010-200-010 CRIS Exchange Message Record.

“**FCC**” means the Federal Communications Commission.

“**Fiber-Meet**” means an Interconnection architecture method whereby the Parties physically Interconnect their networks via an optical fiber interface (as opposed to an electrical interface) at a mutually agreed-upon location, at which one Party's responsibility or service begins and the other Party's responsibility ends.

“**Force Majeure Event**” is as defined in Section 30.5.

“**Grandfathered Services**” is as defined in Section 10.3.1.

“**Hazardous Substances**” is as defined in Section 19.4.

“**HDSL**” or “**High-Bit Rate Digital Subscriber Line**” means a transmission technology which transmits up to a DS1-level signal, using any one of the following line codes: 2 Binary / 1 Quaternary (“**2B1Q**”), Carrierless AM/PM, Discrete Multitone (“**DMT**”), or 3 Binary / 1 Octal (“**3B1O**”).

“Implementation Team” is as defined in Article XVIII.

“Incumbent Local Exchange Carrier” or **“ILEC”** is As Defined in the Act.

“Information Service Traffic” means Local Traffic or IntraLATA Toll Traffic which originates on a Telephone Exchange Service line and which is addressed to an information service provided over a Party's information services platform (e.g., 976).

“Initial Billing Company” or **“IBC”** means the Local Exchange Carrier which provides the Feature Group B or D services in a Switching Center. For purposes of this Agreement, TELIGENT is the IBC.

“Initial Term” is as defined in Section 21.1.

“Insufficient Capacity” is as defined in Section 16.1.2

“Integrated Digital Loop Carrier” means a subscriber loop carrier system that is twenty-four (24) local Loop transmission paths combined into a 1.544 Mbps digital signal which integrates within the Central Office Switch at a DS1 level.

“Integrated Services Digital Network” or **“ISDN”** means a switched network service that provides end-to-end digital connectivity for the simultaneous transmission of voice and data. Basic Rate Interface-ISDN (BRI-ISDN) provides for a digital transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D).

“Intellectual Property” means copyrights, patents, trademarks, trade-secrets, mask works and all other intellectual property rights.

“Interconnection” is As Defined in the Act.

“Interconnection Activation Date” is as defined in Section 2.1.

“Interconnection Point” is as defined in Section 3.2.2.

“Interexchange Carrier” or **“IXC”** means a carrier that provides interLATA or intraLATA Telephone Toll Services.

“Interim Telecommunications Number Portability” or **“INP”** is as described in the Act.

“InterLATA” is As Defined in the Act.

“IntraLATA Toll Traffic” means all IntraLATA calls other than Local Traffic and ISP traffic.

“Line Information Data Base(s)” or **“LIDB”** means one or all, as the context may require, of the Line Information Data Bases owned individually by ILECs and other entities which provide, among other things, calling card validation functionality for telephone line number cards. A LIDB also contains validation data for collect and third number-billed calls, which include billed number screening.

“Listing Update(s)” means information with respect to Customers necessary for Publisher to publish directories under this Agreement in a form and format acceptable to Publisher. For Customers whose telephone service has changed since the last furnished Listing Update because of new installation, disconnection, change in address, change in name, change in non-listed or non-published status, or other change which may affect the listing of the Customer in a directory, Listing Updates shall also include information necessary in order for Publisher to undertake initial delivery and subsequent delivery of directories, including mailing addresses, delivery addresses and quantities of directories requested by a Customer. In the case of Customers who have transferred service from another LEC to TELIGENT without change of address, Listing Updates shall also include the Customer's former listed telephone number and former LEC, if available. Similarly, in the case of Customers who have transferred service from TELIGENT to another LEC, Listing Updates shall also include the Customer's referral telephone number and new LEC, if available.

“Local Access and Transport Area” or **“LATA”** is As Defined in the Act.

“Local Exchange Carrier” or **“LEC”** is As Defined in the Act.

“Local Loop Transmission” or **“Loop”** means the transmission path which extends from the Network Interface Device or demarcation point at a Customer's premises to the Main Distribution Frame or other designated frame or panel in a Party's Wire Center or Switching Center which serves the Customer. Loops are defined by the electrical interface rather than the type of facility used.

“Local Number Portability” or **“LNP”** means the ability of users of Telecommunications Services to retain, at the same location, existing telephone numbers without impairment of quality, reliability, or convenience when switching from one Telecommunications Carrier to another.

“Local Traffic” means traffic that is originated by an end user of one Party and terminates to the end user of the other Party within the Parties' then current local serving area, including traffic between a LEC and a CMRS provider that at the beginning of the call, originates and terminates within the same Major Trading Area (MTA). Local traffic does not include Internet Service Provider (ISP) traffic originated by an end user of one Party and routed to an ISP Point of Presence.

“Logical Trunk Group” means the total group or groups of individual interconnection trunks which deliver traffic from one Central Office Switch/Switching Center to another.

“Loss” or **“Losses”** means any and all losses, costs (including court costs), claims, damages (including fines, penalties, and criminal or civil judgments and settlements), injuries, liabilities and expenses (including attorneys' fees).

“Main Distribution Frame” means the distribution frame of the Party providing the Loop used to interconnect cable pairs and line and trunk equipment terminals on a switching system.

“Make-Ready Work” means all work, including rearrangement or transfer of existing facilities or other changes required to accommodate TELIGENT's Attachments.

“MECAB” refers to the Multiple Exchange Carrier Access Billing (MECAB) document prepared by the Billing Committee of the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS). The MECAB document published by Bellcore as Special Report SR-BDS-000983 contains the recommended guidelines for the billing of an access service provided by two or more LECs, or by one LEC in two or more states within a single LATA.

“Meet-Point Billing” means the process whereby each Party bills the appropriate tariffed rate for its portion of a jointly provided Switched Exchange Access Service.

“Multiple Bill/ Multiple Tariff” means that each Party will prepare and render its own meet point bill in accordance with its own tariff for its portion of the switched access service.

“Network Element” is As Defined in the Act.

“Normal Business Hours” means 8:00 a.m. to 5:00 p.m., EST/EDT on Business Days.

“North American Numbering Plan” or **“NANP”** means the numbering plan used in the United States that also serves Canada, Bermuda, Puerto Rico and certain Caribbean Islands. The NANP format is a 10-digit number that consists of a 3-digit NPA code (commonly referred to as the area code), followed by a 3-digit NXX code and 4-digit line number.

“Number Portability” is As Defined in the Act.

“NXX” means the three-digit code which appears as the first three digits of a seven-digit telephone number.

“OBF” means the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS).

“Occupancy Date” is as defined in Section 12.13.2(f).

“Optical Line Terminating Multiplexer” or **“OLTM”** is as defined in Section 3.3.

“Party” means either CBT or TELIGENT, and **“Parties”** means CBT and TELIGENT.

“Physical Collocation” is as defined in the Act.

"PIC" means primary Interexchange Carrier.

"Premises" is As Defined in the Act.

"Primary Listing" means the single directory listing provided to Customers by Publisher under the terms of this Agreement. Each telephone configuration that allows a terminating call to hunt for an available line among a series of lines shall be considered a single Customer entitled to a single primary listing.

"Proprietary Information" is as defined in Section 20.1.1.

"Public Safety Answering Point" or **"PSAP"** means an answering location for 9-1-1 calls originating in a given area. A PSAP may be designated as Primary or Secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first; Secondary PSAPs receive calls on a transfer basis only, and generally serve as a centralized answering location for a particular type of emergency call. PSAPs are staffed by employees of Service Agencies such as police, fire or emergency medical agencies or by employees of a common bureau serving a group of such entities.

"Publisher" means CBT's White Pages Directories publisher.

"Rate Center" means the specific geographic point which has been designated by a given LEC as being associated with one or more NPA-NXX codes which have been assigned to the LEC for its provision of Telephone Exchange Service. The Rate Center is the finite geographic point identified by a specific V&H coordinate, which is used by that LEC to measure, for billing purposes, distance sensitive transmission services associated with the specific Rate Center; provided that a Rate Center cannot exceed the boundaries of an Exchange Area as defined by the Commission.

"Receiving Party" is as defined in Section 20.1.1.

"Reciprocal Compensation" is As Described in the Act.

"Referral Announcement" is as defined in Article XVII.

"Renewal Term" is as defined in Section 21.1.

"Resale Listing(s)" means a list containing the names, the telephone numbers, addresses and zip codes of Customers of TELIGENT within the defined geographic area, except to the extent such Customers of TELIGENT have requested not to be listed in a directory.

"Resale Services" is as defined in Section 10.3.

"Resale Tariff" is as defined in Section 10.11.2.

“Routing Point” means a location which an LEC has designated on its own network as the homing (routing) point for inbound traffic to one or more of its NPA-NXX codes. The Routing Point is also used to calculate mileage measurements for the distance-sensitive transport element charges of Switched Exchange Access Services. Pursuant to Bellcore Practice BR 795-100-100 (the **“RP Practice”**), the Routing Point (referred to as the **“Rating Point”** in such RP Practice) may be an End Office Switch location, or a **“LEC Consortium Point of Interconnection.”** Pursuant to such RP Practice, each **“LEC Consortium Point of Interconnection”** shall be designated by a common language location identifier (CLLI) code with (x)MD in positions 9, 10 and 11, where (x) may be any alphanumeric A-Z or 0-9. The Routing Point must be located within the LATA in which the corresponding NPA-NXX is located. However, Routing Points associated with each NPA-NXX need not be the same as the corresponding Rate Center, nor must there be a unique and separate Routing Point corresponding to each unique and separate Rate Center; provided only that the Routing Point associated with a given NPA-NXX must be located in the same LATA as the Rate Center associated with the NPA-NXX.

“Selective Routing” or **“SR”** means an E9-1-1 feature that routes an E9-1-1 call from a Control Office to the designated Primary PSAP based upon the identified number of the calling party.

“Service Agency” means the public agency, the State or any local government unit or special purpose district which has the authority to provide police, fire fighting, medical or other emergency services, which has requested the local telephone company to provide an E9-1-1 Telecommunications Service for the purpose of voice-reporting emergencies by the public.

“Service Control Point” or **“SCP”** is As Defined in the Act.

“Service Line” means a telecommunications link from the Central Office terminating at the PSAP.

“Shared Tenant Service Agreement” means the provision of centralized Telecommunications Services to tenants within the same building or a complex of buildings.

“Signaling End Point” or **“SEP”** means a signaling point, other than an STP, which serves as a source or a repository for CCIS messages.

“Signal Transfer Point” or **“STP”** is As Defined in the Act.

“Subsequent Billing Company” or **“SBC”** means the Local Exchange Carrier which provides a segment of transport or switching services in connection with Feature Group B or D switched access service. For purposes of this Agreement, CBT is initially the SBC.

“Switched Access Detail Usage Data” means a category 1101XX record as defined in the EMR Bellcore Practice BR 010-200-010.

“Switched Access Summary Usage Data” means a category 1150XX record as defined in the EMR Bellcore Practice BR 010-200-010.

"Switched Exchange Access Service" means the offering of transmission or switching services to Telecommunications Carriers for the purpose of the origination or termination of Telephone Toll Service. Switched Exchange Access Services include: Feature Group A, Feature Group B, Feature Group D, 800/888 access, and 900 access and their successors or similar Switched Exchange Access Services.

"Switching Center" serves as a Routing Point for Switched Exchange Access and Interconnection Access Service.

"Synchronous Optical Network" or **"SONET"** means an optical interface standard that allows inter-networking of transmission products from multiple vendors. The base rate is 51.84 Mbps (OC-1/STS-1) and higher rates are direct multiples of the base rate, up to 13.22 Gpbs.

"Technical Reference Schedule" is the list of technical references set forth in Schedule 2.3.

"Technically Feasible Point" is As Described in the Act.

"Telecommunications" is As Defined in the Act.

"Telecommunications Act" means the Telecommunications Act of 1996, and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

"Telecommunications Assistance Program" means any means-tested or subsidized Telecommunications Service offering, including Lifeline, that is offered only to a specific category of subscribers.

"Telecommunications Carrier" is As Defined in the Act.

"Telecommunications Service" is As Defined in the Act.

"Telephone Exchange Service" is As Defined in the Act.

"Telephone Relay Service" means a service provided to speech-and hearing-impaired callers that enables such callers to type a message into a telephone set equipped with a keypad and message screen and to have a live operator read the message to a recipient and then type the message recipient's response to the speech-or hearing-impaired caller.

"Telephone Toll Service" is As Defined in the Act.

"Unauthorized Switching" is as defined in Section 10.11.2.

"Virtual Collocation" is As Defined in the Act.

"Wholesale Resale Services" is as defined in Section 10.1.

“Wire Center” means the Premises of a Party at which all Customer Loops within a defined geographic area are converged. Such Loops may be served by one (1) or more Central Office Switches within such Premises. The Wire Center serves as a Routing Point for Switched Exchange Access Service.

“Withdrawn Services” is as defined in Section 10.3.2. In CBT terminology, Withdrawn Services means Grandfathered and Scheduled to be Withdrawn.

SCHEDULE 2.1

IMPLEMENTATION SCHEDULE
KENTUCKY

1. Interconnection

LATA	CBT Interconnection Point	TELIGENT Interconnection Point	Interconnection Activation Date
922	CNCNOHWS03T		TBD

SCHEDULE 2.2

BONA FIDE REQUEST PROCESS

1. Any request for Interconnection, services or access to any Network Element(s) that is not already available as described herein shall be treated as a Request under this Schedule.
2. CBT shall use this Schedule to determine technical feasibility of the requested Interconnection, services or Network Element(s) and, for those items that are technically feasible, to provide the terms and timetable for providing the requested items.
3. A Request shall be submitted in writing and shall, at a minimum, include: (a) a technical description of each requested service, network element or interconnection; (b) the desired interface specifications; (c) a statement that the interconnection, service or network element will be used to provide a telecommunications service; (d) the quantity requested; and (e) the location(s) requested.
4. Within three (3) Business Days of receipt of Request, CBT shall acknowledge its receipt and shall have completed its review of the Request for initial compliance with Section 3 above. In its written acknowledgment, CBT shall advise TELIGENT of any missing information reasonably required in order for CBT to complete its preliminary analysis of the Request described in Section 5 below.
5. Unless otherwise agreed to in writing by the Parties, within fifteen (15) Business Days of its receipt of the Request, CBT shall provide TELIGENT a preliminary analysis of the Request. The preliminary analysis shall specify whether or not the requested interconnection, service or network element described in the Request is technically feasible and whether or not CBT believes it is required to provide such Request pursuant to the Telecommunications Act of 1996. Such preliminary analysis shall be in writing and set forth the basis for CBT's conclusions.
6. Unless otherwise agreed to by the Parties, as soon as feasible, but not more than thirty (30) days after CBT notifies TELIGENT that the Request is technically feasible, CBT shall provide TELIGENT a firm price quote and availability date for such development ("**Bona Fide Request Quote**"). For Bona Fide Requests that involve either: (i) combinations of standard offerings or (ii) individual customer arrangements that do not require alterations not otherwise performed for individual customer arrangements ("Standard BFR Request"), for CBT retail Customers, CBT shall provide a Bona Fide Request Quote within such thirty (30)-day period. For all other Bona Fide Requests ("Non-standard BFR Request"), CBT shall provide a Bona Fide Request Quote as soon as feasible, but in any event not more than ninety (90) days from the date CBT notifies TELIGENT that the Request is technically feasible. The Bona Fide Request Quote provided by CBT to TELIGENT shall include, at TELIGENT's option, either (a) the applicable rates (recurring and nonrecurring) of the requested Interconnection, Network Element, Combination or Customized feature, capability or functionality, which rates shall include the reasonable amortized costs of development of such Interconnection, Network Element, Combination or customized feature, capability or functionality or (b) the reasonable costs of development of the Interconnection, Network Element, Combination or customized feature,

capability or functionality listed as a separate charge and the applicable rates (recurring or nonrecurring for such Interconnection, Combination or customized feature, capability or functionality).

7. Within thirty (30) Business Days of its receipt of the Request quote, TELIGENT must confirm its order, cancel its Request, or seek remedy under the Dispute Resolution section of the Agreement.

8. CBT will utilize information from previously developed BFRs to address similar arrangements in order to attempt to shorten the response times for the currently requested BFR.

9. In the event of a dispute under this Schedule, the Parties agree to seek expedited Commission resolution of the dispute, with a request to the Commission that the Commission resolve any pricing or provisioning dispute within thirty (30) days of CBT's response to TELIGENT's BFR.

10. TELIGENT may cancel its bona fide request at any time. However, if TELIGENT cancels its bona fide request order after it confirms its order, TELIGENT shall pay the reasonable and demonstrable cost of processing and/or implementing the bona fide request up to the date of cancellation.

SCHEDULE 2.3

TECHNICAL REFERENCE SCHEDULE

The technical references listed in this schedule represent practices, procedures, service specifications, and equipment specifications related to various telecommunications services, network elements, and other equipment. This list is not intended to be all inclusive.

Some of the Technical References contained herein represent technical specifications intended for manufacturers and developers of hardware and software related to the Telecommunications Industry. As such, they do not apply directly to CBT.

CBT deploys in its network commercially available hardware and software. CBT makes a reasonable attempt to assure that such hardware and software comply with industry standards but makes no guarantee of compliance.

CBT may not have available all of the options indicated in the references contained herein.

Unbundled Network Elements

Unbundled Loop Transmission

ANSI T1.413-1995 Specifications

ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification

Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines

ANSI T1.102-1993, American National Standard for Telecommunication - Digital Hierarchy - Electrical Interfaces

ANSI T1E1 Committee Technical report Number 28

Bellcore Technical Requirement TR-NWT-000499, Issue 5, December 1993, section 7

Bellcore TR-TSY-000008 Digital Interface Between the SLC Digital Loop Carrier System and Local Digital Switch, Issue 2, August 1987

Bellcore TR-TSY-000673, Operation System Interface for an IDLC System (LSSGR) FSD 20-02-2100, Issue 1, September 1989

Bellcore Integrated Digital Loop Carrier System General Requirements, Objectives and Interface, GR 303-CORE, Issue 1, September 1995

Local Switching

Bellcore FR-NWT-000064 (Local Switching Systems General Requirements)
Bellcore GR-1432-CORE (TCAP)
Bellcore GR-905-CORE (ISUP)
Bellcore GR-1429-CORE (Call Management)
Bellcore GR-1357-CORE (Switched Fractional DS1)
Bellcore GR-1428-CORE (Toll Free Service)
Bellcore GR-1597-CORE (Calling Name)
Bellcore GR-954-CORE (Line Information Database)
Bellcore GR-2863-CORE (Advanced Intelligent Network)
GR-1298-CORE, AIN Switching System Generic Requirements
GR-1299-CORE, AIN Switch-Service Control Point (SCP)/Adjunct Interface Generic Requirements
TR-NWT-001284, AIN 0.1 Switching System Generic Requirements
SR-NWT-002247, AIN Release 1 Update
ANSI standards Q.931, Q.932
Bellcore TR-NWT-08
Bellcore TR-NWT-303
TR-NWT-000393, January 1991, Generic Requirements for ISDN Basic Access Digital Subscriber Lines

Dedicated and Shared Transport

ANSI T1.101-1994, American National Standard for Telecommunications
-Synchronization Interface Standard Performance and Availability
ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy -
Electrical Interfaces
ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical
Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats
ANSI T1.105.01-1995, American National Standard for Telecommunications -Synchronous
Optical Network (SONET) - Automatic Protection Switching
ANSI T1.105.02-1995, American National Standard for Telecommunications
-Synchronous Optical Network (SONET) - Payload Mappings
ANSI T1.105.03-1994, American National Standard for Telecommunications -Synchronous
Optical Network (SONET) - Jitter at Network Interfaces
ANSI T1.105.03a-1995, American National Standard for Telecommunications
-Synchronous Optical Network (SONET) - Jitter at Network Interfaces -DS1
Supplement
ANSI T1.105.04-1995, American National Standard for Telecommunications
-Synchronous Optical Network (SONET) - Data Communication Channel
Protocols and Architectures
ANSI T1.105.05-1994, American National Standard for Telecommunications -Synchronous
Optical Network (SONET) - Tandem Connection
ANSI T1.105.06-199x, American National Standard for Telecommunications -
Synchronous Optical Network (SONET) - Physical Layer Specifications

ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode)
ANSI T1.107-1988, American National Standard for Telecommunications - Digital Hierarchy - Formats Specifications
ANSI T1.107a-1990, American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications (DS3 Format Applications)
ANSI T1.107b-1991, American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications
ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach)
ANSI T1.119-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications
ANSI T1.119.01-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Protection Switching Fragment
ANSI T1.119.02-199x, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Performance Monitoring Fragment
ANSI T1.231-1993, American National Standard for Telecommunications - Digital Hierarchy - Layer 1 In-Service Digital Transmission performance monitoring
ANSI T1.404-1994, Network-to-Customer Installation - DS3 Metallic Interface Specification
Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements
Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance
Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria
Bellcore TR-NWT 000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.)
Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access
Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1, February 1991

Signaling Transfer Points ("STP"s)

Bellcore GR-82-CORE, Signal Transfer Point Generic Requirements
ANSI T1.111.2
ANSI T1.111.3
ANSI T1.111.4
ANSI T1.112
ANSI T1.112.4
ANSI T1.118
ANSI T1.111.6
ANSI T1.112.5
GR-2863-CORE, CCS Network Interface Specification Supporting Advanced Intelligent Network (AIN)
GR-2902-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll-Free Service

Using Advanced Intelligent Network (AIN)

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

ANSI T1.111-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP)

ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement System

ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)

ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks

ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)

ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

Service Control Points (SCPs)/Call-Related Databases

GR-246-CORE, Bell Communications Research Specification of Signaling System Number 7, ISSUE 1 (Bellcore, December 1995)

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- ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement
- ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)
- ANSI T1.113-1995, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Integrated Services Digital Network (ISDN) User Part
- ANSI T1.114-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP)
- ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks
- ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)
- ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)
- Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line
Information Database (LIDB) Service
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Electrical/Optical Interfaces

Bellcore Technical Publication TR-INS-000342, High Capacity Digital Special Access Service,
Transmission Parameter Limits and Interface Combinations;

Collocation

Bellcore Network Equipment Building Systems (NEBS) standards TR-EOP-000063
National Electrical Code (NEC) use latest issue
TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly and Cable
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TR-EOP-000063, Network Equipment-Building System (NEBS) Generic Equipment
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TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of
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TR-NWT-001275 Central Office Environment Installations/Removal Generic Requirements, Issue
1, January 1993
Institute of Electrical and Electronics Engineers (IEEE) Standard 383, IEEE Standard for Type
Test of Class 1 E Electrical Cables, Field Splices, and Connections for Nuclear Power
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TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly and Cable
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Plant Rectifiers, Issue 1 (Bellcore, May 1985)
TR-EOP-000232, General Requirements for Lead-Acid Storage Batteries, Issue 1 (Bellcore, June
1985)
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TR-NWT-000295, Isolated Ground Planes: Definition and Application to Telephone Central
Offices, Issue 2 (Bellcore, July 1992)
TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of LSSGR,
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Issue 1, January 1993
Underwriters' Laboratories Standard, UL 94

SCHEDULE 3.7

CBT INTERCONNECTION STANDARD INTERVALS

1.0 Interconnection Performance Benchmarks

(A) CBT shall, on a quarterly basis, complete ninety percent (90%) of the eligible trunk orders within the intervals set forth in Section 2.0 below.

(B) The following types of orders will be excluded from the measurements: (1) at TELIGENT's request, the interval exceeds the standard interval, (2) after the order is submitted to CBT, it is changed or rescheduled by TELIGENT, (3) TELIGENT causes a delay in completing the order, or (4) any other "Delaying Event" as defined in the Agreement.

2.0 Trunk Provisioning Intervals

<u>Number of End Office Trunks Per Order</u>	<u>Interval</u>
1-48	10 Business Days
49-96	10 Business Days
97 +	Negotiated
<u>New Trunk Groups to Tandem(s)</u>	Negotiated

3.0 Trunking Grade of Service

Blocking Standards

<u>Traffic Type</u>	<u>Measurement</u>
Exchange Access Final Trunk Group Traffic via Tandems	½ of 1% (0.005)
All Other Final Trunk Group Traffic	1% (0.01)

4.0 Trunk Restoral

<u>Type of Outage</u>	<u>Interval</u>
Service Affecting	within 1 hour
Non-Service Affecting	within 24 hours

5.0 The Parties agree that additional Interconnection Performance Benchmarks may be agreed upon by the Implementation Team. However, if any additional Interconnection Performance Benchmarks require a Party to maintain records which if it then does not maintain, the Party requesting such new or additional benchmarks shall utilize the Bona Fide Request process with respect to such records.

6.0 Measurement of Blocking Standards shall be on a quarterly basis, using the same methodology required for reporting blocking performance to the Commission.

SCHEDULE 4.7

CONNECTIVITY BILLING AND RECORDING

- 1.0 CBT shall attempt to comply with OBF standards in its CRIS and CABS billing format.
- 2.0 Each Connectivity Bill shall set forth the quantity and description of each such service provided and billed to TELIGENT. For all Connectivity Charges billed to TELIGENT, CBT shall
 - 2.1 indicate the state from which such charges were incurred.
 - 2.2 bill pursuant to this Agreement at the rates set forth in this Agreement.
 - 2.3 bill TELIGENT for the Connectivity Charges incurred.
 - 2.4 provide a unique BAN and invoice number for capital expenditures associated with TELIGENT collocation (e.g., costs associated with building the "cage")
 - 2.5 provide thirteen (13) character alpha/numeric BANS, with only one BAN per state
 - 2.6 provide bills no later than five (5) calendar days from Bill Date.

SCHEDULE 6.0

MEET-POINT BILLING RATE STRUCTURE

- A. Interstate access - Terminating to or originating from TELIGENT Customers served from a TELIGENT Switching Center.

<u>Rate Element</u>	<u>Billing Company</u>
CCL Local Switching Interconnection Charge	TELIGENT TELIGENT TELIGENT
Local Transport (Tandem) Termination	50% CBT 50% TELIGENT
Local Transport (Tandem) Facility	This will be calculated based on NECA tariff No. 4 filings for each Party
Tandem Switching	CBT
Entrance Facility	CBT

- B. Intrastate access - Terminating to or originating from TELIGENT Customers served from a TELIGENT Switching Center.

<u>Rate Element</u>	<u>Billing Company</u>
CCL Local Switching Interconnection Charge	TELIGENT TELIGENT TELIGENT
Local Transport (Tandem) Termination	50% CBT 50% TELIGENT
Local Transport (Tandem) Facility	This will be calculated based on NECA tariff No. 4 filings for each Party
Tandem Switching	CBT
Entrance Facility	CBT

SCHEDULE 9.2.1

LOCAL LOOPS

CBT will provide unbundled loops in accordance with the following procedures. Specifications for conditioning, performance, acceptance limits and immediate action limits are listed in **Schedule 2.3** (the "**Technical Reference Schedule**").

1.0 "Two (2) Wire Analog Voice Grade Loops"

1.1 Two (2) Wire Analog Voice Grade Loops are capable of supporting POTS or POTS-like services utilizing a copper pair or derived analog voice grade channel.

1.2 Two (2) wire Analog Voice Grade Loop must be ordered before additional conditioning options apply. Additional conditioning will be considered incremental in functionality and price to the basic link.

2.0 "Four Wire Analog Voice Grade Loop"

2.1 Four (4) Wire Analog Voice Grade Loops are capable of supporting transmission of voice grade signals using separate transmit and receive paths and terminates in a Four (4)-wire electrical interface at both ends.

3.0 "Two (2) Wire ISDN BRI 160-Kbps Digital Loop"

3.1 Two (2) Wire ISDN BRI Loops are capable of supporting a digital transmission of two (2) 64-Kbps bearer channels and one 16-Kbps data channel (2B+D).

3.2 The loops will be qualified to determine how the Basic two (2) wire Analog VG Link is to be configured to support ISDN BRI services.

4.0 "Four (4) Wire 64-Kbps Digital Loop"

4.1 Four (4) Wire 64-Kbps Digital Loops are capable of supporting the transmission of digital signals up to a maximum binary information rate of a 64-Kbps and terminates in a Four (4) Wire electrical interface at both the Customer premises and on the MDF in CBT's Central Office.

5.0 "Four (4) Wire 1.544-Mbps Digital Loop"

5.1 Four (4) Wire 1.544-Mbps Loops are capable of supporting the transmission of digital signals up to a maximum binary information rate of 1.544-Mbps and terminates in a Four (4) Wire electrical interface at the Customer premises and on the DSX frame in CBT's Central Office.

6.0 "Two Wire HDSL Compatible Loop"

6.1 Two Wire HDSL Loops are capable of providing the transmission of a 768-Kbps digital signal.

6.2 The Loops will be provided in areas where non-loaded, twisted pair is available. Loops will be conditioned to allow use of HDSL specifically supporting Adtran HDSL central office and customer premises equipment.

7.0 "Four Wire HDSL Compatible Loop"

7.1 Four Wire HDSL Loops are capable of providing the transmission of a 1.544-Mbps digital signal

7.2 The Loops will be provided in areas where non-loaded, twisted pair is available. Loops will be conditioned to allow use of HDSL specifically supporting Adtran HDSL central office and customer premises equipment.

SCHEDULE 9.2.2

UNBUNDLED ACCESS TO NETWORK INTERFACE DEVICES

CBT's Network Interface Device ("NID") is a Network Element that utilizes one or more cross-connect devices to connect loop facilities to inside wiring.

CBT will permit TELIGENT to connect TELIGENT's loop to a portion or all of the inside wiring of the Customer's premises through CBT's NID, where necessary. TELIGENT must establish the connection to CBT's NID through an adjoining NID, which serves as the network interface or demarcation for TELIGENT's loop.

Maintenance and control of premises (inside wiring) is under the control of the Customer. Any conflicts between service providers for access to the Customer's inside wire must be resolved by the Customer.

SCHEDULE 9.2.3

SWITCHING CAPABILITY

1.0 Local Switching. The local switching capability of a Network Element is defined as:

1.1 line-side facilities, which include the connection between a Loop termination at the Main Distribution Frame and a switch line card;

1.2 trunk-side facilities, which include the connection between trunk termination at a trunk-side cross-connect panel and a switch trunk card; and

1.3 all features, functions, and capabilities of the switch available from the specific port type (line-side or trunk-side port), which include:

1.3.1 the basic switching function of connecting lines to lines, lines to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to CBT's Customers, such as a telephone number, white page listing, dial tone and signaling;

1.3.2 access to operator services, directory assistance and 9-1-1; and

1.3.3 the ability to access all other features that the switch provides, including custom calling, CLASS features and Centrex, as well as any technically feasible customized routing functions available from such switch.

2.0 Tandem Switching.

2.1 The Tandem Switching Capability Network Element is defined as:

2.1.1 an unbundled Network Element in CBT's Class 4 non-TOPS digital Tandem Switches, which includes Interconnection with the trunk at the Tandem Distribution Frame ("TDF") and the Tandem Switch trunk ports;

2.1.2 the basic switching function of creating a temporary transmission path that connects TELIGENT's trunks to the trunks of CBT, IXCs, ICOs, CMRS, and other LECs interconnected to the Tandem Switch.

2.2 Interconnecting trunk types which can be switched include FGB, FGC, FGD and Type II. Signaling support includes, MF, and SS7 and any signaling conversions between these signaling formats.

2.3 The unbundled Tandem Switching Network Element will provide to TELIGENT all available basic Tandem Switching functions and basic capabilities that are centralized in the

Tandem Switch (and not in End Office Switches), including the following functions CBT makes available to its Customers:

2.3.1 Routing of calls from an inbound trunk to an outbound trunk based on destination digits.

2.3.2 Routing of Equal Access or Operator Service calls from an inbound trunk to an outbound trunk based on the CIC forwarded by the inbound trunk.

2.4 Translations, screening, blocking, and route indexing are provided if technically feasible under the standard switching translations and screening in use in that switch. A request for translations, screening, blocking, route indexing other than what is in use in that switch will be provided where technically feasible as a Bona Fide Request. CBT will provide these features if technically feasible and, upon agreement by TELIGENT to pay the applicable recurring and non-recurring costs of developing, installing, providing and maintaining the capability. Variations in the Tandem Switching equipment or translation and screening used to provide service in specific locations may cause differences in the operation of the element.

SCHEDULE 9.2.4

INTEROFFICE TRANSMISSION FACILITIES

Interoffice Transmission Facilities are CBT transmission facilities dedicated to a particular Customer or carrier, or shared by more than one Customer or carrier, that provide Telecommunications Services between Wire Centers/Switching Centers owned by CBT or TELIGENT, or between Switches owned by CBT or TELIGENT.

1.0 CBT provides several varieties of unbundled Interoffice Transmission Facilities:

1.1 Unbundled dedicated interoffice transport facility ("**Dedicated Transport**") is a dedicated facility connecting two CBT Central Office buildings via CBT transmission equipment. In each Central Office building, TELIGENT will Cross-Connect this facility to its own transmission equipment (physically or virtually) Collocated in each Wire Center, or to other unbundled Network Elements provided by CBT, to the extent the requested combination is technically feasible and is consistent with other standards established by the FCC and the Commission for the combination of unbundled Network Elements. All applicable digital Cross-Connect, multiplexing, and Collocation space charges apply at an additional cost.

1.2 "**Unbundled dedicated entrance facility**" is a dedicated facility connecting CBT's transmission equipment in a CBT Central Office with TELIGENT's transmission equipment in TELIGENT's Switching Center for the purposes of providing Telecommunications Services.

1.3 "**Shared Transport**" is an interoffice transmission path between CBT Network Elements shared by carriers. Where CBT Network Elements are connected by intra office wiring, such wiring is provided as a part of the Network Elements and is not Shared Transport. Shared Transport consists of CBT inter office transport facilities and is a distinct rate element but cannot be provisioned separate from local or tandem switching.

2.0 CBT shall offer Interoffice Transmission Facilities in each of the following ways:

2.1 As a dedicated transmission path (e.g., DS1, DS3, OC3, OC12 and OC48).

2.2 Shared Transport, as described in Section 1.3 above.

3.0 Where Dedicated Transport or Shared Transport is provided, it shall include (as appropriate):

3.1 The transmission path at the requested speed or bit rate.

3.2 The following optional features are available, if requested by TELIGENT, at additional cost:

3.2.1 Clear Channel Capability per 1.544-Mbps ("**DS1**") bit stream;

3.2.2 CBT-provided Central Office multiplexing.

(a) DS3 to DS1 multiplexing; and

(b) DS1 to Voice/Base Rate/128-, 256-, 384-Kpbs Transport; multiplexing

3.3 If requested by TELIGENT, the following are available at an additional costs:

3.3.1 1 + 1 Protection for OC3, OC12 and OC48;

3.3.2 1 + 1 Protection with Cable Survivability for OC3, OC12 and OC48;

3.3.3 1 + 1 Protection with Route Survivability for OC3, OC12 and OC48.

4.0 Technical Requirements. This Section sets forth technical requirements for all Interoffice Transmission Facilities.

4.1 When CBT provides Dedicated Transport as a circuit, the entire designated transmission facility (e.g., DS1, DS3, and OC3) shall be dedicated to TELIGENT-designated traffic.

4.2 CBT shall offer Interoffice Transmission Facilities in all then-currently available technologies, including DS1 and DS3 transport systems, SONET Bi-directional Line Switched Rings when used by CBT, SONET Unidirectional Path Switched Rings, and SONET point-to-point transport systems (including linear add-drop systems), at all available transmission bit rates, except subrate services, where available.

4.3 For DS1 facilities, Interoffice Transmission Facilities shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office ("CI to CO") connections in the applicable technical references set forth under Dedicated and Shared Transport in the Technical Reference Schedule.

4.4 For DS3 facilities, and higher rate facilities, Interoffice Transmission Facilities shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office ("CI to CO") connections in the applicable technical references set forth under Dedicated and Shared Transport in the Technical Reference Schedule.

4.5 When requested by TELIGENT, Interoffice Transmission Facilities shall provide physical diversity. Physical diversity means that two circuits are provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits.

4.6 When physical diversity is requested by TELIGENT, CBT shall provide physical separation between intra-office and inter-office transmission paths (unless otherwise agreed by TELIGENT).

4.7 Any request by TELIGENT for diversity shall be subject to additional charges.

4.8 CBT shall offer the following interface transmission rates for Interoffice Transmission Facilities:

4.8.1 DS1 (Extended SuperFrame - ESF and D4);

4.8.2 DS3 (C-bit Parity and M13 shall be provided);

4.8.3 SONET standard interface rates in accordance with the applicable ANSI technical references set forth under Dedicated and Shared Transport in the Technical Reference Schedule.

4.9 CBT shall permit (when made available as a service) TELIGENT to obtain the functionality provided by DCS together with and separate from dedicated transport in the same manner that CBT offers such capabilities to IXCs that purchase transport services. If TELIGENT requests additional functionality, such request shall be made through the Bona Fide Request process.

SCHEDULE 9.2.5

SIGNALING NETWORKS AND CALL-RELATED DATABASES

1.0 Signaling Transfer Points. A Signaling Transfer Point ("STP") is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches ("STPS"s) and their associated signaling links which enable the exchange of SS7 messages among and between switching elements, database elements and signaling transfer point switches.

1.1 Technical Requirements.

1.1.1 STPs shall provide access to all other Network Elements connected to CBT SS7 network. These include:

- (a) CBT Local Switching or Tandem Switching;
- (b) CBT Service Control Points/Databases;
- (c) Third-party local or tandem switching systems; and
- (d) Third-party-provided STPSs.

1.1.2 The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to the CBT SS7 network. This explicitly includes the use of the CBT SS7 network to convey messages which neither originate nor terminate at a Signaling End Point directly connected to the CBT SS7 network (*i.e.*, transit messages). When the CBT SS7 network is used to convey transit messages, there shall be no alteration of the Integrated Services Digital Network User Part ("ISDNUP") or Transaction Capabilities Application Part ("TCAP") user data that constitutes the content of the message.

1.1.3 If a CBT Tandem Switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between a TELIGENT local switch and third-party local switch, the CBT SS7 network shall convey the TCAP messages that are necessary to provide Call Management features (Automatic Callback, Automatic Recall, and Screening List Editing) between the TELIGENT local STPSs and the STPSs that provide connectivity with the third-party local switch, even if the third-party local switch is not directly connected to the CBT STPSs, based on the routing instruction provided in each message.

1.1.4 STPs shall provide the following functions of the MTP as defined in the applicable standards described in **Schedule 2.3**

- (a) Signaling Data Link functions;
- (b) Signaling Link functions; and

(c) Signaling Network Management functions.

1.1.5 STPs shall provide all functions of the SCCP necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (“GTT”) and SCCP Management procedures, as specified in the applicable standards in **Schedule 2.3**. In cases where the destination signaling point is a CBT local or tandem switching system or database, or is a TELIGENT or third-party local or tandem switching system directly connected to the CBT SS7 network, STPs shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, STPs shall perform intermediate GTT of messages to a gateway pair of STPs in an SS7 network connected with the CBT SS7 network, and shall not perform SCCP Subsystem Management of the destination.

1.1.6 If and when made available by CBT, STPs shall provide all functions of the OMAP commonly provided by STPs. This includes:

- (a) MTP Routing Verification Test (“MRVT”); and
- (b) SCCP Routing Verification Test (“SRVT”).

1.1.7 In cases where the destination signaling point is a CBT local or tandem switching system or database, or is a TELIGENT or third-party local or tandem switching system directly connected to the CBT SS7 network, STPs shall perform MRVT and SRVT to the destination signaling point. In all other cases, STPs shall perform MRVT and SRVT to a gateway pair of STPs in an SS7 network connected with the CBT SS7 network.

1.1.8 STPs shall be based upon the following performance standards:

- (a) MTP Performance, as specified in ANSI T1.111.6; and
- (b) SCCP Performance, as specified in ANSI T1.112.5.

1.2 Signaling Link Transport.

1.2.1 Definition. Signaling Link Transport is a set of two (2) or four (4) dedicated 56-Kbps transmission paths between TELIGENT-designated Signaling Points of Interconnection (“SPOI”) that provides appropriate physical diversity.

Technical Requirements.

1.2.2 Signaling Link Transport shall consist of full duplex mode 56-Kbps transmission paths.

1.2.3 Of the various options available, Signaling Link Transport shall perform in the following two (2) ways:

- (a) As an "**A-link**," which is a connection between a switch or SCP and a Signaling Transfer Point Switch ("**STPS**") pair; and
- (b) As a "**D-link**," which is a connection between two (2) STP mated pairs in different company networks (e.g., between two (2) STPS pairs for two Competitive Local Exchange Carriers ("**TELIGENT**"s)).

1.2.4 Signaling Link Transport layers shall consist of two (2) or more signaling link layers as follows:

- (a) An A-link layer shall consist of two (2) links;
- (b) A D-link layer shall consist of four (4) links.

1.2.5 A signaling link layer is designed to satisfy a performance objective such that:

- (a) There shall be no more than two (2) minutes down time per year for an A-link layer; and
- (b) There shall be negligible (less than two (2) seconds) down time per year for a D-link layer.

1.2.6 A signaling link layer shall to the extent physically reasonable satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

- (a) No single failure of facilities or equipment causes the failure of both links in an A-link layer (i.e., the links should be provided on a minimum of two (2) separate physical paths end-to-end); and
- (b) No two (2) concurrent failures of facilities or equipment shall cause the failure of all four (4) links in a D-link layer (i.e., the links should be provided on a minimum of three (3) separate physical paths end-to-end).

1.2.7 Interface Requirements. There shall be a DS1 (1.544-Mbps) interface at the TELIGENT-designated SPOI. Each 56-Kbps transmission path shall appear as a DS0 channel within the DS1 interface.

2.0 Database Services.

2.1 Toll-Free Database Services

2.1.1 Should CBT, during the term of this agreement, deploy a toll-free database within its network, CBT will provide TELIGENT access to such database on terms

and conditions at parity with access CBT provides itself, affiliates, or other carriers. The details of the terms and conditions will be made as an addendum to this agreement.

2.2 LIDB Database Service.

2.2.1 Should CBT, during the term of this agreement, deploy a Line Information Database ("LIDB") within its network, CBT will provide TELIGENT access to such database on terms and conditions at parity with access CBT provides itself, affiliates, or other carriers. The details of the terms and conditions will be made as an addendum to this agreement.

2.3 Local Number Portability.

2.3.1 CBT's provision of LNP will utilize LRN switch software based on requirements developed by the FCC workshop participants as adopted by the Ohio workshop participants and concurred in by the Commission. These requirements are fully compliant with the principles adopted by the FCC in its First Report and Order, CC Docket No. 95-116 (the "Number Portability Order"). The detailed description and technical specifications for the planned LRN implementation can be found in various documents produced by the FCC Local Number Portability workshop.

2.3.2 Should CBT deploy an LNP database during the term of this agreement, CBT will provide database access to TELIGENT. However, in adopting its Number Portability Order, the FCC referred certain technical issues to the North American Numbering Council ("NANC") and issued a further notice addressing the recovery of costs associated with LNP implementation. Until these activities are concluded, CBT cannot finalize product descriptions and rates for access to such LNP database. Nonetheless, CBT is willing to begin discussions through the Implementation Team with TELIGENT to discuss TELIGENT's access to CBT's LNP databases in lieu of constructing TELIGENT's own.

2.4 Unbundled AIN Application Access.

2.4.1 The AIN architecture establishes a network infrastructure in which subscriber services can be defined and implemented independent from End-Office Switches. This is accomplished by a combination of SS7 signaling, interfaces between Network Elements and call-state models through which AIN Network Elements interact.

2.4.2 CBT will provide TELIGENT access to CBT's service package applications ("SPA"s) on its own AIN SCP through query access over the SS7 network. Such access will enable TELIGENT (whether it purchases unbundled switching capabilities from CBT or owns its own SSP (Service Switching Point) to offer its Customers AIN services without first having to deploy a full AIN infrastructure within its own networks. Unbundled AIN Applications Access provides for the AIN functionality necessary for the day-to-day ongoing call processing associated with a specific AIN

applications execution. This includes the SS7 transport and SCP processing of the query associated with the specific service.

2.4.3 TELIGENT shall be responsible for assuring the compatibility of its AIN SSP software generics with the CBT AIN Applications and SCP software releases. Interconnection of the TELIGENT SSP with the CBT SS7 network is required, and can be accomplished in a number of ways as described in Section 1 of this Schedule 9.2.5.

2.4.4 Activation of the desired application at the CBT SCP requires subscription by both the ordering carrier TELIGENT and the end-user. In general, AIN operations require close cooperation between CBT and the requesting carrier.

2.4.5 The SSP and SCP vendors provide logical capabilities which CBT uses to create each AIN service. The SSP and SCP vendors have no detailed knowledge of the specific AIN Applications that CBT has created. CBT's AIN deployment is based on AIN 0.1.

2.5 AIN Service Creation Environment Access.

CBT will provide TELIGENT access to its AIN Service Creation Environment ("SCE") at parity with such access it provides to affiliates or other carriers, to enable TELIGENT to create new AIN services on CBT's SCP. Such services, once loaded on CBT's network SCPs will only be used in conjunction with SS7 TCAP queries from TELIGENT's own SSP. Details regarding SCE access will be determined by the Implementation Team.

2.6 AIN Service Management System Access.

2.6.1 CBT will provide TELIGENT access to its Service Management System, at parity with such access it provides to affiliates of other carriers, for the purpose of provisioning customer specific information in service package applications on CBT's SCP. The details of such access will be determined by the Implementation Team.

SCHEDULE 9.2.6

OPERATIONS SUPPORT SYSTEMS FUNCTIONS

- 1.0 Pre-Ordering, Ordering and Provisioning. CBT will use the interface described in **Section 10.13.2(a)** necessary to perform the pre-ordering, ordering, and provisioning functions (e.g., order entry, telephone number selection and due date selection). However, the Local Service Request ("LSR") interface will be used for the transfer of information concerning the Network Elements and Combinations which TELIGENT intends to order in a specific Wire Center.
- 2.0 Maintenance and Repair. CBT will use the interface described in **Section 10.13.3(a)** for the transfer and receipt of data necessary to perform the maintenance and repair functions (e.g., trouble receipt and trouble status).
- 3.0 Billing. CBT will provide appropriate usage data to TELIGENT to facilitate Customer billing with attendant acknowledgments and status reports and exchange information to process claims and adjustments.

SCHEDULE 9.2.7

OPERATOR SERVICES AND DIRECTORY SERVICES

1.0 CBT intends to provide TELIGENT Operator Services at parity with itself, affiliates and subsidiaries, and Directory Services on an unbundled basis in accordance with the Act, where technically feasible for CBT and CBT's Third Party Operator Services Vendor. The provisions within this **Schedule 9.2.7** describe the nature of the services available to TELIGENT once their traffic reaches CBT's Operator Services Position System ("OSPS") switch on distinct and separate trunk groups.

1.1 Manual Call Assistance - manual call processing with operator involvement for the following:

1.1.1 Calling card - the Customer dials 0+ or 0- and provides operator with calling card number for billing purposes.

1.1.2 Collect - the Customer dials 0+ or 0- and asks the operator to bill the call to the called number; provided such billing is accepted by the called number.

1.1.3 Third number billed - the Customer dials 0+ or 0- and asks the operator to bill the call to a different number than the calling or called number.

1.1.4 Operator assistance - providing local and intraLATA operator assistance for the purposes of:

(a) assisting Customers requesting help in completing calls or requesting information on how to place calls;

(b) handling emergency calls;

(c) handling credits and coin telephone local refund requests; and

(d) handling person-to-person calls.

1.1.5 Operator Transfer Service ("OTS") - calls in which the Customer dials "0", is connected to a CBT operator and then requests call routing to an IXC subscribing to OTS. The operator will key the IXC's digit carrier identification code to route the Customer to the requested IXC's point of termination.

1.1.6 BLV - Service in which operator verifies a busy condition on a line.

1.1.7 BLVI - service in which operator, after verifying a busy line, interrupts the call in progress.

1.2 Automated Call Assistance - mechanized call processing without operator involvement for the following:

1.2.1 Automated calling card service ("ACCS") - the Customer dials 0 and a telephone number, and responds to prompts to complete the billing information. ACCS calculates charges, relates the charge to the Customer, and monitors coins deposited before connecting the 1 + intraLATA or interLATA call.

1.2.2 Automated Alternate Billing Service ("AABS") - the Customer dials 0 and a telephone number and responds to prompts to process the call and complete the billing information with appropriate TELIGENT branding where technically feasible and at parity with branding CBT provides itself and other carriers.

1.3 Line Information Database ("LIDB") Validation - mechanized queries to a LIDB for billing validation.

1.4 Database Access - To the extent technically feasible, CBT will provide access to databases (e.g., Operator Reference Information) used in the provisioning of Operator Services, as discussed in the implementation planning phase.

2.0 Directory Assistance. Directory Assistance ("DA") service shall consist of the following services.

2.1 Directory Assistance - those calls in which the Customer dials digits designated by TELIGENT to obtain Directory Assistance for local numbers located within his/her local calling area (including but not limited to 411, 555-1212, NPA-555-1212) dialed by TELIGENT subscribers directly to either the TELIGENT DA service platform or CBT DA service platform as specified to TELIGENT. Two listings will be provided per call.

2.2 Branding - the ability to put branding messages on the front end of a DA call that is directly trunked into CBT's DA switch, or to choose not to provide such a message.

2.3 Directory Assistance Call Completion - provides a Customer who has accessed the DA service and has received a number from the Audio Response Unit ("ARU") the option of having local calls completed by pressing a specific digit on a touch tone telephone. Directory Assistance Call Completion is currently available to TELIGENT if it direct trunks its DA calls to CBT. Upon request and to the extent technically feasible, call completion to the requested number for local toll calls shall be sent to the network specified by TELIGENT without the need to route through direct trunks. TELIGENT shall rate and bill its Customers for Directory Assistance Call Completion calls.

2.4 Upon request, and through a technically feasible arrangement, CBT will provide access to databases used in the provisioning of DA at rates that recover CBT's costs of developing, providing and maintaining the service. Such unbundled access to the DA database shall be for the purpose of having TELIGENT's Telephone Exchange Service DA listing in the area placed into CBT's DA database, or to enable TELIGENT to read DA

listing in the database that TELIGENT can provide a Telecommunications Service consistent with Section 251(c)(3) of the Act.

3.0 Rate Application. CBT shall provide billing and performance reporting for bill verification to TELIGENT in the same category and method as CBT is billed by its Third Party Operator Services Vendor. If special billing is requested, TELIGENT shall reimburse CBT or its Third Party Operator Services Vendor for costs incurred to develop specialized billing.

3.1 Lost Records. If CBT is responsible for lost, destroyed, or mutilated OSPS AMA recordings, CBT will not bill TELIGENT for those calls for which there are no records. Likewise, CBT shall not be held responsible by TELIGENT for lost revenue. However, if within ninety (90) days, actual data should become available, CBT will bill TELIGENT for those calls using actual data.

4.0 Implementation Team Issues

The following issues will be addressed by the Implementation Team and included in the Implementation Plan:

4.1 Directory Assistance

4.1.1 CBT shall provide TELIGENT with the same level of support for the provisioning of Directory Assistance as CBT provides itself, assuming that TELIGENT's DA traffic is of the same nature as CBT's. Quality of service standards shall be in accordance with standards and performance measurements that are at least equal to the highest level of standards and/or performance measurements that CBT uses and/or which are required by law, regulatory agency, or by CBT's own internal procedures.

4.1.2 Service levels shall comply, at a minimum, with State Regulatory Commission requirements for a number of rings to answer.

4.1.3 CBT agrees to maintain an adequate operator work force based.

4.1.4 TELIGENT has the right, once annually, to visit each CBT-owned or subcontracted office upon reasonable notice to CBT or with greater frequency by mutual consent of the Parties. Upon request, CBT will provide system results.

4.1.5 CBT shall provide the following minimum Directory Assistance capabilities to TELIGENT's subscribers:

(a) Populate the Directory Assistance database in the same manner and in the same time frame as for CBT subscribers.

(b) When requested by TELIGENT Local Resale Customers, CBT shall provide instant credit on Directory Assistance calls as provided to CBT subscribers.

4.1.6 CBT shall provide data regarding billable events as requested by TELIGENT.

4.2 Operator Services

4.2.1 TELIGENT subscribers shall be provided the capability to dial the same telephone numbers to access TELIGENT operator service that CBT subscribers dial to access CBT operator service.

4.2.2 CBT shall provide Operator Services as described below until, at TELIGENT's discretion, CBT routes calls to the TELIGENT Local Operator Services platform.

4.2.3 CBT agrees to provide TELIGENT subscribers where technically feasible and at parity with what CBT offers its own customers, the same Operator Services available to CBT subscribers.

4.2.4 CBT shall provide where technically feasible and at parity with what CBT offers its own customers, the following minimum Operator Service capabilities to TELIGENT subscribers:

- (a) CBT shall complete 0+ and 0- dialed local calls.
- (b) CBT shall complete 0+ intraLATA toll calls.
- (c) CBT shall complete calls that are billed to a calling card and TELIGENT shall designate to CBT the acceptable types of special billing.
- (d) CBT shall complete person-to-person calls.
- (e) CBT shall complete collect calls.
- (f) CBT shall provide the capability for callers to bill to a third party and complete such calls.
- (g) CBT shall complete station-to-station calls.
- (h) CBT shall process emergency calls.
- (i) CBT shall process Busy Line Verify and Emergency Line Interrupt requests.

- (j) CBT shall process emergency call trace.
- (k) CBT shall process operator-assisted Directory Assistance calls.
- (l) CBT shall route 0- traffic directly to a "live" operator team.
- (m) Caller assistance for the disabled in the same manner as provided to CBT subscribers.

4.2.5 Operator Service shall adhere to equal access requirements.

4.2.6 CBT shall exercise at least the same level of fraud control in providing Operator Service to TELIGENT that CBT provides for its own Operator Service.

4.2.7 CBT shall perform where technically feasible and at parity with what CBT offers its own customers, Billed Number Screening when handling Collect, Third Party, and Calling Card Calls, both for station-to-station and person-to-person call types.

4.2.8 CBT shall provide TELIGENT the same service reporting that it receives from its third Party Operator Services Vendor. TELIGENT shall reimburse CBT, or its third party operator Services Vendor, for costs incurred to develop specialized reporting.

4.2.9 TELIGENT has the right, once annually, to visit each CBT-owned or subcontracted office upon reasonable notice to CBT or with greater frequency by mutual consent of the Parties. Upon request, CBT will provide monthly system results.

4.2.10 CBT shall direct subscriber account and other similar inquiries to the subscriber service center designated by TELIGENT.

4.2.11 CBT shall provide an electronic feed of subscriber call records in "EMR" format to TELIGENT in accordance with the time schedule designated by TELIGENT.

4.2.12 CBT shall accept and process overflow 911 traffic routed from TELIGENT to the underlying platform used to provide Operator Service.

4.2.13 Busy Line Verification and Emergency Line Interrupt:

- (a) CBT shall engineer its BLV/ELI facilities to accommodate the anticipated volume of BLV/ELI requests during the Busy Hour. TELIGENT may, from time to time, provide its anticipated volume of BLV/ELI requests to CBT. In those instances when the BLV/ELI systems

and databases become unavailable, CBT shall promptly inform
TELIGENT.

4.2.14 Where INP is deployed and when a BLV/ELI request for a ported number is directed to a CBT operator and the query is not successful (i.e., the request yields an abnormal result), the operator shall confirm whether the number has been ported and shall direct the request to the appropriate operator.

4.2.15 CBT shall allow TELIGENT to order provisioning of Telephone Line Number ("TLN") calling cards and Billed Number Screening ("BNS"), in its LIDB, for ported numbers, as specified by TELIGENT. CBT shall continue to allow TELIGENT access to its LIDB.

SCHEDULE 9.3.2

COMBINATIONS

1.0 Loop Combination

Unbundled NID
Unbundled Loop

2.0 Loop/Transport Combination #1 (VG Interface)

Unbundled NID
Unbundled Loop
Concentrators/Multiplexers
Dedicated Transport

3.0 Loop/Transport Combination #2 (DS1 Interface)

Unbundled NID
Unbundled Loop
Concentrators/Multiplexers
Dedicated Transport

SCHEDULE 9.5

PROVISIONING OF NETWORK ELEMENTS

1.0 General Provisioning Requirements.

1.1 Subject to the terms of Article IX, TELIGENT may order and/or request Network Elements individually or in the combinations set forth on Schedule 9.3.4 and shall not require the enumeration of each Network Element on a single order if such Network Elements are (i) for a single type of service, (ii) for a single location, and (iii) for the same account.

1.2 CBT shall provide provisioning services to TELIGENT during Normal Business Hours on Business Days. TELIGENT may request CBT to provide Saturday, Sunday, holiday, and/or off-hour provisioning services. If TELIGENT requests that CBT perform provisioning services at times or on days other than as required in the first sentence of this Section 1.2, CBT shall provide such services based on time and materials charges for all CBT personnel involved as set forth in the Pricing Schedule. CBT shall quote, within three (3) Business Days of the request, a cost-based rate for such services. If TELIGENT accepts CBT's quote, CBT shall perform such provisioning services. After having given TELIGENT a price quote, CBT may charge TELIGENT for any unanticipated extraordinary costs that it may incur, provided that CBT informs TELIGENT of the charge and TELIGENT verifies that it will pay for these charges. TELIGENT may request appropriate documentation from CBT detailing these charges. Such costs should not be duplicative of any costs already paid by TELIGENT for provisioning these services. Any disputes concerning the appropriateness of such charges may be resolved by the Commission.

1.3 CBT shall provide a TELIGENT Service Center ("LEC-C") for ordering and provisioning contacts and order flow involved in the purchase and provisioning of CBT's unbundled Network Elements or Combinations. CBT shall provide an electronic interface to accept LSRs for ordering and provisioning service. If CBT expands its use of its electronic interfaces and support systems, it will afford the same opportunity to TELIGENT. The LEC-C shall provide to TELIGENT a telephone number (operational during Normal Business Hours on Business Days.), which will be answered by capable staff trained to resolve problems in connection with the provisioning of Network Elements. The LEC-C is responsible for order acceptance, order issuance and return of the Firm Order Commitment ("FOC") to TELIGENT as specified in the Schedule 9.5.

1.4 CBT shall provide to TELIGENT a single point of contact for all maintenance and repair activities. A telephone number will be provided twenty-four (24) hours per day, seven (7) days per week.

1.5 CBT will recognize TELIGENT as the Customer of Record of all Network Elements ordered and agreed to Combinations ordered by TELIGENT and will send all notices, invoices and pertinent Customer information directly to TELIGENT.

1.6 When requested by TELIGENT, CBT will schedule installation appointments with CBT's representative on the line with TELIGENT's representative until TELIGENT has access to CBT's scheduling system.

1.7 CBT will provide TELIGENT with a Firm Order Confirmation ("FOC") for each order by 5:00 p.m. of the next Business Day of CBT's receipt of that order, or within a different time interval agreed upon by the Implementation Team. The FOC must contain an enumeration of Network Elements as ordered by TELIGENT and CBT's commitment date for order completion ("Committed Due Date"), which commitment date shall be established on a non-discriminatory basis with respect to installation dates for comparable orders at such time.

1.8 CBT may not initiate any disconnection or rearrangement of any TELIGENT ordered Elements or Combinations, except as directed by TELIGENT or as otherwise provided in this Agreement, except as directed by another LEC which has subsequently been authorized by the customer to act as the customer's agent and requests such rearrangement or disconnection.

1.9 Upon work completion, CBT will provide TELIGENT (unless otherwise notified by TELIGENT) with an order completion per order that states when that order was completed. CBT shall respond with specific order detail as enumerated on the FOC.

1.10 As soon as identified, CBT shall provide notification of TELIGENT orders that are incomplete or incorrect and therefore cannot be processed.

1.10.1 CBT will perform pre-testing of Network Elements and Combinations in accordance with CBT's standards. At TELIGENT's request, CBT will make available to TELIGENT for an additional charge any available test and turn-up results in support of the Network Elements or Combinations ordered by TELIGENT.

1.11 As soon as identified, CBT shall provide notification of any instances when CBT's Committed Due Dates are in jeopardy of not being met by CBT on any element or feature contained in any order for Network Elements or Combinations. CBT shall indicate its new committed due date within 24 hours.

1.12 Subject to **Article IX**, Network Elements and Combinations will be provisioned with a combination of customer-specific and bulk orders, as specified by TELIGENT.

1.13 CBT shall provide to TELIGENT upon request and at rates as specified in the Pricing Schedule:

1.13.1 a list of all services and features technically available from each switch that CBT may use to provide Local Switching, including whether the switch has the capability of supporting Inter and IntraLATA PICs by switch CLI;

1.13.2 a listing by street address detail, of the service coverage area of each switch CLLI;

1.13.3 when available, all engineering design and layout information for each Network Element and Combination except that layout information for basic 2-wire analog loops which will be provided only when qualification is ordered;

1.13.4 a listing of all technically available functionalities for each Network Element or Combination; and

1.13.5 advanced information on the details and requirement for planning and implementation of NPA splits.

1.14 Promptly after the Effective Date, CBT shall provide TELIGENT an initial electronic copy of the following information:

1.14.1 Street address verification;

1.14.2 Switch identification by service address; and

1.14.3 Switch feature verification.

Electronic updates to such information shall be provided monthly to TELIGENT as changes are made to such information.

1.15 For order of Network Elements (and INP with the Installation of a Loop) that require coordination among CBT, TELIGENT and TELIGENT's Customer, TELIGENT shall be responsible for any necessary coordination with the TELIGENT Customer.

1.16 CBT shall recognize TELIGENT as an agent for the subscriber in coordinating the disconnection of services provided by another TELIGENT or CBT provided TELIGENT has obtained proper authorization from the Customer.

1.17 Order Rejections

CBT shall reject and return to TELIGENT any order that CBT cannot provision, and in its reject notification provide an error code identifying the reasons for which the order was rejected.

1.18 Service Order Changes

1.18.1 If an installation or other TELIGENT-ordered work requires a change from the original TELIGENT service order in any manner, CBT shall call TELIGENT in advance of performing the installation or other work to obtain authorization. CBT shall then provide TELIGENT an estimate of additional labor hours and/or materials.

After all installation or other work is completed, CBT shall notify TELIGENT of actual labor hours and/or materials used in accordance with regular service order completion schedules.

1.18.2 If a TELIGENT Customer requests a service change at the time of installation or other work being performed by CBT on behalf of TELIGENT, CBT, while at the Customer premises, shall direct the TELIGENT Customer to contact TELIGENT so as to avoid unnecessary delays in service activation should the CBT representative leave the Customer premises. If CBT's technician awaits TELIGENT's response for more than fifteen (15) minutes, Standby Charges as set forth in the Pricing Schedule will apply.

1.18.3 If TELIGENT requests a change in due date or changes the content of an order it has provided to CBT, service order change charges as specified in the Pricing Schedule will apply.

2.0 Unbundled Local Loop Transmission

2.1 Access to Unbundled Local Loops.

2.1.1 TELIGENT shall access CBT's Unbundled Local Loops via Collocation or in accordance with Article IX of this Agreement at the CBT Wire Center where that element exists and each Loop shall be delivered to TELIGENT's Collocation by means of a Cross-Connection, which shall be an additional charge.

2.1.2 CBT shall provide TELIGENT access to its unbundled Loops at each of CBT's Wire Centers. In addition, if TELIGENT requests one or more Loops serviced by Integrated Digital Loop Carrier or Remote Switching technology deployed as a Loop concentrator, CBT shall, where available, move the requested Loop(s) to a spare, existing physical Loop at no charge to TELIGENT. If, however, no spare physical Loop is available, CBT shall within forty-eight (48) hours of TELIGENT's request notify TELIGENT of the lack of available facilities. TELIGENT may then at its discretion make a Bona Fide Request for CBT to provide the unbundled Loop through the demultiplexing of the integrated digitized Loop(s). Notwithstanding anything to the contrary in this Agreement, the provisioning intervals set forth in Section 2.2.2 of this Schedule and the CBT Network Element Performance Benchmarks set forth in Schedule 9.10 of this Agreement shall not apply to unbundled Loops provided under this Section 2.1.2.

2.2 Provisioning of Unbundled Loops.

2.2.1 TELIGENT shall request unbundled Loops from CBT by delivering to CBT a valid electronic transmittal service order (a "Service Order") using the electronic interface described in Schedule 9.2.6. Within one (1) business day of CBT's receipt of a Service Order, CBT shall provide TELIGENT the FOC date and Frame Due Time ("FDT") according to the applicable CBT Network Element Performance Benchmarks set forth in Section 9.10 of this Agreement by which the Loop(s) covered by such Service Order will be installed.

2.3 Coordination of conversions of "live" Telephone Exchange Services will be as specified in Schedule 9.5.4.

2.3.1 Not less than (1) hour prior to the Scheduled Cutover Window, either Party may contact the other Party and unilaterally designate a new Scheduled Cutover Window. However, If CBT requests the New Cutover Window, the applicable Line Connection Charge shall be waived; and If TELIGENT requests the New Cutover Window, TELIGENT shall be assessed a Line Connection Charge in addition to the Line Connection Charge that will be incurred for the New Conversion Time.

2.3.2 Except as otherwise agreed by the Parties for a specific conversion, the Parties agree that the time interval expected from disconnection of "live" Telephone Exchange Service to the connection of an unbundled Network Element at the TELIGENT Collocation interface point will be sixty (60) minutes or less. If a conversion interval exceeds sixty (60) minutes and such delay is caused solely by CBT (and not by a TELIGENT contributing Delaying Event), CBT shall waive the applicable Line Connection Charge for such element. If TELIGENT has ordered INP with the installation of a Loop, CBT will coordinate the implementation of INP during the Cutover Window at no additional charge.

3.0 Network Interface Device Capability.

3.1 CBT will provide TELIGENT access to NIDs in a manner that will permit TELIGENT to connect its loop facilities to the Customer's inside wiring through CBT's NID, as required. TELIGENT shall establish this connection through an adjoining NID provided by TELIGENT.

3.2 Due to the wide variety of NIDs utilized by CBT (based on Customer size and environmental considerations), TELIGENT may access the Customer's inside wire by any of the following means:

3.2.1 Where an adequate length of inside wire is present and environmental conditions permit, TELIGENT may remove the inside wire from CBT's NID and connect that wire to TELIGENT's NID;

3.2.2 Enter the Customer access chamber or "side" of "dual chamber" NID enclosures for the purpose of extending a connectorized or spliced jumper wire from the inside wire through a suitable "punch-out" hole of such NID enclosures;

3.2.3 Enter CBT's loop terminal enclosure located at a multiple dwelling unit ("MDU") for the purpose of accessing Customer premises inside wire and extending such wire to TELIGENT's own adjoining NID; or

3.2.4 Request CBT to make other rearrangements to the inside wire terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting party (i.e., TELIGENT, its agent, the building owner or the Customer).

3.3 If TELIGENT accesses the Customer's inside wire as described in Paragraph 3.2.4 of this Schedule 9.5, the time and materials charges will be billed to the requesting party (i.e., TELIGENT, the building owner or the Customer).

3.4 In no case shall TELIGENT remove or disconnect CBT's loop facilities from CBT's NIDs, enclosures, or protectors.

3.5 In no case shall TELIGENT remove or disconnect ground wires from CBT's NIDs, enclosures, or protectors.

3.6 Maintenance and control of premises wiring (inside wire) is the responsibility of the Customer. Any conflicts between service providers for access to the Customer's inside wire must be resolved by the Customer.

3.7 Due to the wide variety of NID enclosures and outside plant environments, CBT will work with TELIGENT to develop specific procedures to establish the most effective means of implementing this **Section 3.0**.

4.0 Unbundled Local Switching

4.1 Access to Unbundled Local Switching.

4.1.1 TELIGENT shall access CBT's Unbundled Local Switching via Collocation or in accordance with **Article IX** of this Agreement at the CBT Wire Center where that element exists and each line-side and/or trunk-side port will be delivered to TELIGENT by means of a Cross-Connection, which shall be an additional charge.

4.1.2 CBT shall provide TELIGENT access to its Unbundled Local Switching at each of CBT's Wire Centers and will provide TELIGENT (i) all available basic local switching functions and basic capabilities that the switch provides or (ii) for which CBT Operations Support Systems functions are capable of provisioning pursuant to a Bona Fide Request.

4.1.3 Unbundled Local Switching also provides access to additional features and capabilities that the switch has available for activation. TELIGENT has the capability of requesting activation of these features on a line-by-line basis through a service order placed with CBT via an electronic interface. The additional features available for activation on the basic Unbundled Local Switching Element include:

- (a) vertical features;
- (b) Custom Calling, Custom Local Area Signaling Service features ("CLASS") features; and
- (c) Centrex features.

4.1.4 Other basic and/or additional capabilities, functions and features that the switch is capable of providing, but which CBT does not currently provide, may be requested as optional special capabilities. CBT will provide these special capabilities if technically feasible and upon TELIGENT's Bona Fide Request.

4.1.5 CBT will also provide any technically feasible customized local routing of traffic through Unbundled Local Switching, by class of call (e.g., operator, directory assistance, 9-1-1, toll, local, etc.). CBT will develop and provide any requested customized routing the switch is capable of providing upon agreement by TELIGENT to pay recurring and non-recurring costs of developing, installing, updating, providing and maintaining such custom routing.

4.1.6 CBT provides, on an optional basis, the ability to connect line-side ports and/or trunk-side ports within the same switch with a group of common attributes for the same Customer.

4.1.7 Normally, CBT will switch traffic through its local switching element in accordance with CBT standard switching translations and screening in use in that switch. The custom routing optional feature enables TELIGENT to specify special routing, by class of call, of some or all traffic coming into its unbundled local switch using any technically feasible routing capability of that switch. Variations in the End-Office switching equipment used to provide service in specific locations may cause differences in the operation of certain features. Special routing capabilities that are not otherwise available (i.e., features that the switch is capable of providing) will be developed on an individual-case basis through the Bona Fide Request process and will be installed, updated, maintained and provided following TELIGENT's agreement to pay the applicable costs.

4.2 Provisioning of Unbundled Local Switching.

4.2.1 TELIGENT shall request Unbundled Local Switching from CBT by delivering to CBT a valid electronic transmittal service order (a "**Service Order**") using the electronic interface described on Schedule 9.2.6. In addition, pre-ordering functions are supported via electronic data interchange ("**EDI**") format as utilized for Resale Services. Within twenty-four (24) hours of CBT's receipt of a Service Order, not including non-Business Days, CBT shall provide TELIGENT the FOC date and the Frame Due Time ("**FDT**") by which the Unbundled Local Switching ports covered by such Service Order will be installed.

Where connection of the Unbundled Local Switching port(s) to customized routing is required by TELIGENT, the specific custom routing pattern desired must already exist. In those instances where the custom routing pattern does not already exist, TELIGENT may request the development and establishment of such custom routing pattern via a Bona Fide Request. While the custom routing pattern is being developed, TELIGENT may do one of the following: (a) defer activation of the Unbundled Local Switching port until the routing pattern is established, (b) offer the

Customer resale on an interim basis, or (c) convert the existing basic office routing pattern. If TELIGENT elects option (c) and later desires to convert the Unbundled Local Switching port using CBT's office routing pattern to a customized routing pattern, an additional Line Connection Charge will apply.

4.3 Coordination of conversions of "live" Telephone Exchange Services will be as specified in Schedule 9.5.4.

4.3.1 Not less than (1) hour prior to the Scheduled Cutover Window, either Party may contact the other Party and unilaterally designate a new Scheduled Cutover Window. However, If CBT requests the New Cutover Window, the applicable Line Connection Charge shall be waived; and If TELIGENT requests the New Cutover Window, TELIGENT shall be assessed a Line Connection Charge in addition to the Line Connection Charge that will be incurred for the New Conversion Time.

4.3.2 Except as otherwise agreed by the Parties for a specific conversion, the Parties agree that the time interval expected from disconnection of "live" Telephone Exchange Service to the connection of an unbundled Network Element at the TELIGENT Collocation interface point will be sixty (60) minutes or less. If a conversion interval exceeds sixty (60) minutes and such delay is caused solely by CBT (and not by a TELIGENT contributing Delaying Event), CBT shall waive the applicable Line Connection Charge for such element.

4.3.3 CBT shall provide TELIGENT the functionality of blocking calls (e.g., 900, 976 international calls) by line or trunk on an individual switching element basis.

4.3.4 When ordering a Local Switching Element, TELIGENT may order from CBT separate interLATA and intraLATA capabilities (i.e., 2 PICs where available) on a per line basis.

4.3.5 Unless otherwise directed by TELIGENT, and to the extent technically feasible, when TELIGENT orders a Network Element or Combination, all pre-assigned trunk or telephone numbers currently associated with that Network Element or Combination shall be retained without loss of feature capability.

4.4 Tandem Switching.

4.4.1 Tandem Switching creates a temporary transmission path between interoffice trunks that are interconnected at a switch for the purpose of routing a call or calls.

Unbundled Tandem Switching is ordered using electronic interfaces. Trunk side ports are ordered using the Access Service Request ("ASR"), which provides for electronic ordering based on industry standards adopted through OBF. ASR is the process used as of the Effective Date to order Exchange Access Services. Both pre-ordering and ordering functions and access to associated Operations Support Systems functions are supported electronically through these interfaces.

4.4.2 CBT will service, operate, and maintain the unbundled Tandem Switching for TELIGENT at parity with the service, operation, and maintenance CBT provides to itself, its subsidiaries, Affiliates and any other person. Unless requested otherwise, where applicable and technically feasible, CBT will provide unbundled Tandem Switching using the same specifications, interfaces, parameters, intervals, procedures and practices it uses to provide comparable Tandem Switching for all other Customers and carriers. Any feature or function existing in the Tandem Switch will be provided to TELIGENT on a non-discriminatory basis. Congestion control and overflow routing will be provided on a non-discriminatory basis.

4.4.3 Tandem Switching performance will be measured to ensure parity with all other Telecommunications Carriers that are interconnected with CBT. Performance will be measured on switching, call recording, and network management controls.

4.4.4 Switch downtime will be measured through FCC reportable incidents report prepared by CBT for the FCC.

5.0 Interoffice Transmission Facilities.

CBT shall:

5.1 Provide TELIGENT exclusive use of Interoffice Transmission Facilities dedicated to TELIGENT, or use of the features, functions, and capabilities of Interoffice Transmission Facilities shared by more than one Customer or carrier, including TELIGENT;

5.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that TELIGENT could use to provide Telecommunications Services;

5.3 Permit, to the extent technically feasible, TELIGENT to connect such interoffice facilities to equipment designated by TELIGENT, including TELIGENT's Collocated facilities.

6.0 Signaling Networks and Call-Related Databases

6.1 Signaling Networks.

6.1.1 If TELIGENT purchases Switching Capability from CBT, CBT shall provide access to its signaling network from that switch in the same manner in which CBT obtains access to such switch itself.

6.1.2 If TELIGENT has its own switching facilities, CBT shall provide TELIGENT access to STPs to each of TELIGENT's switches, in the same manner in which CBT connects one of its own switches to an STP, or in any other technically feasible manner (e.g., bringing an "A" link from TELIGENT's switch to TELIGENT's STP, or linking TELIGENT's switch to its own STP and then connecting that STP to CBT's STP via a "B" or "D" link); provided that CBT shall not be required to (i)

unbundle the signaling link connecting SCPs to STPs, (ii) permit direct linkage of TELIGENT's own STPs to CBT's switch- or call-related databases, or (iii) unbundle an SCP from its associated STP.

6.1.3 The Parties shall agree upon appropriate mediation facilities and arrangements for the Interconnection of their signaling networks and facilities, as necessary to adequately safeguard against intentional and unintentional misuse of the signaling networks and facilities of each Party. Such arrangements shall provide at a minimum:

- Certification that TELIGENT's switch is compatible with CBT's SS7 network;
- Certification that TELIGENT's switch is compatible with CBT's AIN SCP;;
- Certification that TELIGENT's switch is compatible with a desired AIN application residing on CBT's SCP;
- Agreement on procedures for handling maintenance and troubleshooting related to AIN services;
- Usage of forecasts provided by TELIGENT, so that CBT can provide sufficient SS7 resources for TELIGENT and all other requesting carriers;
- Mechanisms to control signaling traffic at agreed-upon levels, so that CBT's SS7 resources can be fairly shared by all requesting carriers;
- Mechanisms to restrict signaling traffic during testing and certification, as necessary to minimize risks to the service quality experienced by Customers served by CBT's network and those of other carriers while compatibility and interconnection items are verified; and
- Mechanisms to ensure protection of the confidentiality of Proprietary Information of both carriers and Customers.

6.2 Call-Related Databases.

6.2.1 For purposes of switch query and database response through a signaling network, CBT shall provide TELIGENT access to its call-related databases, as described in **Schedule 9.2.5** by means of physical access at the STP linked to the unbundled database.

6.2.2 If TELIGENT purchases Unbundled Local Switching, TELIGENT may, upon request, use CBT's call related databases on CBT's SCP via the same signaling links, to send messages to such unbundled local switching elements . If TELIGENT has deployed its own switch, and has linked that switch to CBT's signaling system, TELIGENT shall be given access to CBT's SCP in a manner that allows TELIGENT to provide any call-related, database-supported services to Customers served by TELIGENT's switch. If the Implementation Team is unable to agree to appropriate

mediation mechanisms with respect to access to the AIN SCPs, the Parties shall adopt the mechanisms adopted by the Commission. CBT shall provide TELIGENT access to call-related databases in a manner that complies with the CPNI requirements of Section 222 of the Act.

6.2.3 The Parties shall agree upon appropriate mediation facilities arrangements for the Interconnection of their signaling networks, databases, and associated facilities, as necessary to adequately safeguard against intentional and unintentional misuse of the signaling networks and facilities of each Party. Such arrangements shall provide for at a minimum:

- Capabilities to protect each Party's information;
- Agreements on handling maintenance and troubleshooting related to AIN services;
- Usage forecasts provided by TELIGENT so that CBT can provide sufficient resources for other requesting carriers, and capabilities to ensure that the Parties abide by such forecasts;
- Procedures to ensure, prior to deployment, that each service will properly operate within CBT's network;
- Procedures to verify proper deployment of each service in the network; and
- Mechanisms to ensure protection of the confidentiality of proprietary information of both carriers and customers.

6.3 Service Management Systems.

6.3.1 CBT shall provide TELIGENT with the information necessary to enter correctly, or format for entry, the information relevant for input into CBT's Service Management System ("SMS"). In addition, CBT shall provide TELIGENT equivalent access to design, create, test, and deploy Advanced Intelligent Network-based services at the SMS.

6.3.2 CBT shall provide TELIGENT with the information necessary to enter correctly, or format for entry, the information relevant for input into its SMS. Access will be provided in an equivalent manner to that which CBT currently uses to provide such access to itself (e.g., submitting magnetic tapes if TELIGENT inputs magnetic tapes, or through an electronic interface equivalent to that used by TELIGENT). The Implementation Team shall set forth the terms and conditions relating to such access. If the Implementation Team is unable to agree to appropriate mediation mechanisms with respect to access to the AIN SMSs and SCEs, the Parties shall adopt the mechanisms adopted by the Commission.

6.3.3 CBT shall provide access to its SMS in a manner that complies with the CPNI requirements of Section 222 of the Act.

7.0 Operations Support Systems Functions

7.1 CBT shall provide TELIGENT access to Operations Support Systems functions on or before the dates set forth on the Implementation Schedule.

8.0 Operator Services and Directory Services.

8.1 CBT shall provide TELIGENT access to CBT's Operator Service and Directory Assistance facilities where technically feasible.

8.2 CBT shall provide unbundled Operator Services ("OS") and Directory Assistance ("DA") to TELIGENT in conjunction with Telephone Exchange Service provided to TELIGENT as a purchaser of Resale Services and as an Unbundled Local Switching Network Element or directly as a separate Network Element. A list identifying the NPA/Exchange areas of CBT Directory Assistance, and Directory Assistance Call Completion services will be provided to TELIGENT and will be updated as such DA services are provided in additional NPA/Exchange Areas.

8.3 As a facilities-based provider, TELIGENT will obtain any required custom routing and obtain or provide the necessary direct trunking and termination facilities to the mutually agreed-upon meet point with CBT facilities for access to unbundled OS and DA services. TELIGENT is responsible for delivering its OS and DA traffic to CBT's operator service switch. Specifically, TELIGENT shall deliver its traffic direct from the Switching Center to the operator service switch location, and there can be no Tandem Switching for OS. The operator service location to which TELIGENT will deliver its OS or DA traffic will be determined by CBT based on the existing capacity of its service centers. CBT will, if technically feasible, enable TELIGENT to deliver its OS or DA traffic to the operator service switch most closely located to the TELIGENT's NPA/exchange originating the call.

8.4 CBT will provide and maintain the equipment at its OS and DA centers necessary to perform the services under this Agreement, with the goal of ensuring that the OS and DA service meets standards set forth by the Kentucky Public Service Commission.

8.5 CBT will provide OS and DA in accordance with its then-current internal operating procedures and/or standards.

8.6 CBT will maintain a quality of service that will satisfy the standards, if any, established by the Commission having jurisdiction over the provision of such service. TELIGENT has the right, once annually, to visit each CBT-owned or -subcontracted office upon reasonable notice to CBT or with greater frequency by mutual consent of the Parties. Upon request, CBT will provide monthly answer time results (percent of calls answered exceeding ten (10) seconds) for Operator and Directory Assistance.

8.7 TELIGENT is solely responsible for providing all equipment and facilities to deliver OS and DA traffic to the point of Interconnection with CBT facilities.

8.8 TELIGENT will provide and maintain the equipment at its offices necessary to permit CBT to perform its services in accordance with the equipment operations and traffic operations which are in effect in CBT's DA and OS offices. TELIGENT will locate, construct, and maintain its facilities to afford reasonable protection against hazard and interference.

8.9 Upon request and to the extent technically feasible, CBT will unbundle OS and DA from resellers of its Telephone Exchange Service, and for TELIGENT, so TELIGENT can provide its own OS or DA service or obtain it from a third party. TELIGENT will acquire any required custom routing and arrange for or provide other facilities, services and Network Elements necessary to deliver its OS and DA traffic to CBT's designated office, or to the office of another provider, as applicable.

8.10 Upon request, and as technically feasible, CBT will provide, through an electronic interface, unbundled access to its databases used to provide DA and OS for purposes of enabling TELIGENT to provide its own OS or DA service, or as otherwise authorized by the FCC or the Commission. Such unbundled access to DA and OS databases is provided as is technically feasible based upon the facilities, equipment and software involved, and upon agreement by TELIGENT to pay to CBT its costs as defined in the Act of developing, installing, providing and maintaining such Network Element.

8.11 Access of resellers and TELIGENT to DA and OS of CBT, and the DA and OS Network Elements provided hereunder, whether provided on a bundled or unbundled basis, will, as applicable and as feasible, be provided through the standard interfaces, parameters, intervals, service descriptions, protocols, procedures, practices and methods that CBT provides to all CBT end-user customers of its DA and OS services. Upon request, CBT will, as technically feasible, provide a different quality of service, upon agreement by TELIGENT to pay to CBT its costs of developing, installing, maintaining, Staffing and Operating, and repairing access to and provision of the Network Element at such quality of service.

8.12 TELIGENT will furnish to CBT all information necessary for provision of OS and DA. This information, to the extent it is identified as such, shall be treated as Proprietary Information. For OS this information includes emergency agency phone numbers, rate information (such as mileage bands and operator surcharge information), and originating screening information.

8.12.1 To the extent that TELIGENT does not mirror CBT's operator surcharge rates, then CBT will, if technically feasible, enter TELIGENT's surcharge rates into CBT's rate tables, and will charge TELIGENT for changing those tables at the rates then charged by CBT for such service.

8.12.2 For DA services, TELIGENT will furnish CBT, ninety (90) days (or such earlier time as the Parties may agree upon) before DA service is initiated, details

necessary to provide that service. This information includes listing information for the areas to be served by CBT and network information necessary to provide for the direct trunking of the DA calls.

8.12.3 TELIGENT will keep these records current and will inform CBT, in writing, at least thirty (30) days prior to any changes in the format to be made in such records. Implementation of such changes shall be dependent upon the nature and complexity of the request. When significant table changes are required, CBT and TELIGENT will mutually agree to implementation date. TELIGENT will inform CBT of other changes in the records on a mutually agreed-upon schedule.

8.13 If TELIGENT purchases OS or DA Network elements upon request and as technically feasible, CBT will re-brand such OS and DA services based upon TELIGENT's agreement to pay rates that compensate CBT for any costs it incurs in developing, installing, providing and maintaining such rebranded service. To the extent that multiple carriers request the same branding service, such rate shall be allocated on a pro rata share. For branding of calls, TELIGENT must provide an announcement in a format acceptable to CBT, no longer than three (3) seconds or at parity with CBT, for installation on each OS and DA switch serving TELIGENT's Customers.

8.14 Branding: Re-branding is available as follows:

8.14.1 Mechanized front-end branding is available for all manual and automated OS calls.

8.14.2 Mechanized back-end branding is available for automated calling card calls handled via ACCS.

8.14.3 On mechanized collect and billed-to-third calls, back-end branding is not currently available.

- (a) Such calls can be manually handled and branded.
- (b) If Customer desires mechanized branding, the feature can be installed if TELIGENT pays for feature purchase and installation.

Normally, OS and DA services, both bundled and unbundled, will be branded with CBT's name as the provider of the service. Upon request from TELIGENT, and as technically feasible, CBT will re-brand OS and DA traffic from TELIGENT's telephone exchange lines, or to TELIGENT's unbundled OS or DA Network Element. Re-branded service requires that TELIGENT arrange to have the subject OS or DA traffic delivered to CBT's Central Office on separate trunks, which may require that it obtain custom routing, and obtain or provide such trunks and other applicable. Re-branding is provided at rates that recover CBT's costs of developing, installing, providing and maintaining such service.

8.15 TELIGENT will provide CBT during the term of this Agreement its DA listings. DA listings provided to CBT by TELIGENT under this Agreement will be used and maintained by CBT only for providing Telecommunications Services, and may be disclosed to third parties only for the purpose of providing Telecommunications Service by those parties.

8.16 CBT will supply TELIGENT with call-detail information so that TELIGENT can rate and bill the call. This information excludes rating and invoicing of Customers, unless negotiated on an individual-case basis.

9.0 Directory Assistance Data

9.1 CBT shall provide unbundled and non-discriminatory access to the subscriber records used by CBT to create and maintain databases for the provision of live or automated operator assisted Directory Assistance (“DA Input Data”). TELIGENT or its Directory Assistance service subcontractor may use such DA Input Data for the purpose of providing Directory Assistance service via a live operator or automated services in response to specific end user requests for such information or any other Telecommunications Service pursuant to the Act.

9.1.1 CBT shall not be required to provide non-published telephone numbers; however, CBT shall provide a 10-digit string which contains the NPA, NXX and the last four digits masked, and name and address of the non-published party with an indication that the telephone number is non-published.

9.1.2 All DA Input Data shall be provided in the format as specified in “Directory Assistance Data Information Exchanges and Interfaces” below or in Bellcore standard F20 format. CBT shall provide TELIGENT with lists of community abbreviations and common word abbreviations used in the DA Input Data necessary in order to allow TELIGENT to interpret the data. No other tables used by CBT to search or reference the DA Input Data will be provided to TELIGENT. TELIGENT is responsible for developing its own methods and procedures for accessing the DA Input Data and for training its DA operators to use the DA Input Data.

9.1.3 CBT shall provide to TELIGENT, as soon as technically practicable, all DA Input Data that resides in CBT's master subscriber system file via an electronic data transfer medium such as Network Data Mover (NDM) or in a magnetic tape format, at rates to be determined in accordance with the Act. Both the initial data and all subsequent data shall indicate for each subscriber whether the subscriber is classified as residence or business class of service.

9.1.4 TELIGENT or its Directory Assistance service subcontractor shall take all necessary and reasonable precautions to protect the integrity of the DA Input Data and to protect the proprietary nature of any nonpublished information. Under no circumstances shall TELIGENT or its Directory Assistance service subcontractor use the DA Input Data for any marketing purpose or to select or identify in any manner potential customers to receive any marketing information. Under no circumstances shall TELIGENT or its Directory Assistance service subcontractor use the DA Input

Data for the purpose of publishing a directory in any format, including any end-user electronic on-line directory service. Nothing herein shall be construed to prohibit TELIGENT from publishing a directory pursuant to Section 222(e) of the Act, so long as the DA Input Data is not used for such purpose. TELIGENT or its Directory Assistance service subcontractor shall not permit any unaffiliated third party with whom it has not contracted to provide its local Directory Assistance service to use the DA Input Data or any information extracted therefrom.

9.1.5 The DA Input Data will not include independent and competitive LEC listings unless the parties can reach an amicable resolution between themselves or the Commission determines otherwise, whichever occurs first.

9.1.6 CBT shall provide TELIGENT with updates to the DA Input Data using the agreed transfer medium on the same date that they are provided to CBT's own DA Operations.

9.1.7 All updates to the DA Input Data shall be provided to TELIGENT at TELIGENT's expense through an electronic data transfer medium, magnetic tape format or other mutually agreed format. TELIGENT shall be responsible for performing its own data reconciliation and integrating such updates into its master database.

9.1.8 Data must include all levels of indentation and all levels of information agreed upon by the Implementation Team.

9.1.9 CBT shall provide complete refresh of the DA Input Data at TELIGENT's expense upon two weeks notice by TELIGENT.

9.1.10 TELIGENT will designate a technically feasible point at which the DA Input Data will be provided. TELIGENT shall pay all costs of delivery of CBT's DA Input Data from its existing location to the technically feasible point designated by TELIGENT.

9.1.11 TELIGENT shall provide CBT with TELIGENT's DA Input Data in the same form, on the same terms and with the same timeliness as CBT provides TELIGENT with CBT's DA Input Data.

10.0 The Implementation Team will address the following issues:

10.1 Directory Assistance Database

10.1.1 DA Input Data Exchanges and Interfaces

10.1.2 Data Processing Requirements

10.2 Directory Listings

10.2.1 Listing Types

LISTED	The listing information is available for all directory requirements.
NON-PUBLISHED	A directory service may confirm, by name and address, the presence of a listing, but the telephone number is not available. TELIGENT may confirm the address, but is not permitted to receive the non-published telephone number. The listing information is not available in either the published directory or directory assistance.

10.2.2 Listing Styles

<u>LISTING STYLE</u>	<u>DESCRIPTION</u>
STRAIGHT LINE	All listing information is formatted in a straight line. Data generally consists of Name, Address, Community, and Telephone Number. Additional data may consist of dialing instructions or other general information relating to the listing.
INDENTED LISTING SET - STRAIGHT LINE UNDER (SLU)	Two or up to six listing records relating to the same listed subscriber. The first is formatted as a straight line listing with the additional listing(s) indented one degree under the straight line listing.
INDENTED LISTING SET - CAPTION SET	Formatted with one listing header record and multiple indented listing records. See detailed description below.
INDENTED LISTING (CAPTION) SET	
HEADER RECORD	Contains listed name; address and telephone number data fields are blank.
SUB-HEADER RECORD/ LISTING	May contain name data only, or may include address data. Associated subordinate records may, or may not be present.
INDENTED NAME LISTING	Contains name data , may or may not have address data, and telephone number data.

INDENTED ADDRESS LISTING Contains address and telephone number data; the name data text field is blank.

LEVEL OF INDENT Header record is zero (0), sub-header and indented records range from 1 - 7.

10.2.3 Data Field Elements

Requirements for Initial Processing and Daily Update Activity

<u>DATA FIELD</u>	<u>DATA ELEMENT</u>	<u>FIELD LENGTH</u>
ACTION CODE	A = Add I = In D = Delete or O = out	Required: 1 alpha character
RECORD NUMBER	Sequentially assigned number to each record for a given process (test, initial load, or update activity). Number assignment begins with 00000001 and is incremented by 1 for each record on the file.	Required: 8 digits
NPA	Area code relating to the directory section the record is to be listed.	Required: 3 digits
COMPANY IDENTIFIER	The 4-character company code as defined in Section 8 of the National Exchange Carrier Association, Inc. Tariff.	Required: 4 digits
DIRECTORY SECTION LISTING IDENTIFIER	Name of the directory section where the record is to be listed. F = Foreign C = Cross-Reference E = Enterprise (WX number requiring operator assistance to connect the call) W = Wide area or universal service	Required: Maximum of 50 alpha characters Optional: 1 alpha character
FILE PLACEMENT	B = Business (4) R = Residence (1) G = Government (2) BR = Business & Residence (5) BG = Business & Government (6) BRG = Business, Residence, & Government (7)	Required: Maximum of 3 alpha characters

LISTING TYPE	L = Listed NP = Non-Published	Required: Maximum of 2 alpha characters
LISTING STYLE	S = Straight line I = Indented listing set	Required: 1 alpha character
	An Indented listing relates to either a caption or Straight Line Under ("SLU") set listing.	
INDENT LEVEL	0 = Non-indented record 1 - 8 = Level of indented record	Required: 1 digit
ADDRESS HOUSE NUMBER	For example: 123, A-123, 123-1/2	Optional: Maximum of 20 alphanumeric characters, including hyphen, space, and slash
ADDRESS PRE-DIRECTIONAL	For example: N, S, E, W, NE, SW, NORTH	Optional: Maximum of 5 alpha characters
ADDRESS STREET NAME	For example: Main, Peachtree-Dunwoody, HWY. 75 at Exit 30	Optional: Maximum of 100 alpha, alphanumeric characters, including spaces and hyphens.
ADDRESS SUFFIX OR THOROUGHFARE	For example: SUITE 160, ST, or WAY	Optional: Maximum of 20 numeric, alpha, or alphanumeric characters
ADDRESS POST DIRECTION	For example: N, S, NE, SW	Optional: Maximum of 5 alpha characters
ADDRESS ZIP CODE	5-digits or ZIP + 4	Optional: Maximum of 10 digits, including the hyphen when using ZIP + 4
COMMUNITY NAME	Identifies the name of the community associated with the listing record. See Glossary for more details.	Maximum of 50 alphanumeric characters, including spaces and hyphen

STATE NAME ABBREVIATION	Identifies the state associated with the community name; 2-character state abbreviation used by the US Postal Office.	Maximum of 2 alpha characters
INFORMATION TEXT	Miscellaneous information relating to the listing. Including, but not limited to, for example: TOLL FREE DIAL 1 & THEN, CALL COLLECT, or TDD ONLY. The various types of Information Text must be identified to TELIGENT.	Optional: Maximum of 250 alpha, numeric, or alphanumeric characters in CBT format and style
NAME - FIRST WORD	Surname of a Residence or Business listing, or first word of a Business or Government listing Multi-word or hyphenated surnames should be treated as one word.	Required for a zero (0) level record. Optional if an indented (level 1-8) record, unless the name text present in the indented record relates to a Surname.
NAME -SUBSEQUENT WORD(S)	Given name and/or initial(s) of a Surname listing or Additional word(s) for a Business or Government listing	Maximum of 50 alpha, numeric, alphanumeric, or special characters Expected if the First Word is the Surname of a Residence or Business listing. Maximum of 250 alpha, numeric, special, or alphanumeric characters.
LINEAL DESCENT	<u>e.g.</u> , SR, JR, III. If Lineal Descent data cannot be uniquely identified, it should be included with the Listed Name Subsequent Word(s) data and placed at the end of the name data.	Optional: Maximum 10 alpha characters

TITLE(s)	<u>e.g.</u> , MRS, LT COL, RET SGR, DR. Multiple titles are acceptable. If title data cannot be uniquely identified, it should be included with the Listed Name Subsequent Word(s) data and placed at the end of the name data stream. If lineal descent is also in the Listed Name Subsequent Word(s) data field, title data should be placed following the lineal descent data.	Optional: Maximum of 20 alpha characters
DEGREE	<u>e.g.</u> , MD, CPA, PHD. Multiple degrees are acceptable. If degree data cannot be uniquely identified, it should be included with the Listed Name Subsequent Word(s) data and placed at the end of the name data stream. If lineal descent and/or title data is also present, it should follow title data.	Optional: Maximum of 20 alpha characters CBT populates Degree data in the Designation field
NICKNAME	Another name the listed subscriber may be known by.	Optional: Maximum of 20 alpha characters
BUSINESS DESIGNATION	Term used to identify the listed subscriber's profession, business, or location, <u>e.g.</u> , ATTY, CARPETS, OFC	Optional: Maximum of 50 alpha characters
STANDARD TELEPHONE NUMBER *	NPA NXX-LINE	Optional: 12 characters, including space and hyphen
NON-STANDARD TELEPHONE NUMBER *	Telephone numbers less than or more than the standard telephone number.	Optional: Minimum of 1 digit, maximum of 22 characters, including spaces and hyphens

* Either a Standard or Non-standard telephone is required for a zero level record unless the record is a Cross-reference listing or an Indented Listing (caption) Set record. A telephone number may, or may not be present on an Indented Listing Set record for level(s) 0-7.

SCHEDULE 9.5.4

COORDINATED INSTALLATION PROCESS FOR UNBUNDLED LOOPS AND PORTS

1.0 General Coordinated Installation Process.

1.1 CBT and TELIGENT shall coordinate installation in such a way as to minimize the out of service time a Customer may experience, and to minimize the need for live telephone conversations between CBT and TELIGENT to perform the conversion.

Where possible, CBT will match the disconnection of a CBT service with the installation of CBT Unbundled Loops or Local Switching and the provisioning of INP as ordered. A Frame Due Time (FDT) will be assigned to the multiple service orders involved in a conversion. The FDT will define a two hour "Cutover Window" in which CBT will work the various orders and will determine the time frame within which TELIGENT must complete its portion of the installation process.

1.2 The table below identifies the cutover windows available for each FDT specified. The FDT is available during Normal Business Hours, Business Days.

FDT *	CUTOVER WINDOW
10 AM	8-10 AM
11 AM	9-11 AM
12 AM	10-12 AM
1 PM	11 AM-1 PM
2 PM	12 PM-2 PM
3 PM	1 PM-3 PM
4 PM	2 PM-4 PM
5 PM	3 PM-5 PM

The Table in this **Schedule 9.5.4, Section 1.2**, will be subject to revision by mutual agreement between the Parties.

1.3 If TELIGENT has a special request for service coordination which is not part of the process as described above, including conversions at times outside of the normal FDT windows, CBT will with proper notice and agreement schedule the service order activities to accommodate the request. This request will be indicated as FDT=X. Due to the additional CBT resources that are necessary to accommodate the special request, additional charges per the Pricing Schedule will apply.

1.4 The FDT process requires the following steps:

1.4.1. Prior to the Cutover Window 8:00 A.M. on the Due Date, the provider of dial tone will have dial tone translated and available. CBT shall perform the Dial Tone Test during the Cutover Window at no charge to TELIGENT.

1.4.2. Within the FDT window, the physical activity of disconnecting and placing central office jumpers will take place.

1.4.3. At the midpoint of the FDT window, translations work will be initiated to add or remove features, including translations required to implement interim number portability.

* For CBT Band three (3) Rural Offices, (identified in Exhibit B) the Cutover Window shall be extended to three (3) hours. However, the conversion interval shall remain at sixty (60) minutes or less.

SCHEDULE 9.10

NETWORK ELEMENT STANDARD INTERVALS

A. Network Element Standard Intervals

1. CBT shall on a quarterly basis strive to complete 90% , on an aggregate basis, of the total Performance Activities contained in Section B of this Schedule 9.10 within the specified interval subject to exclusions per Section A.2.
2. The following types of orders will be excluded from the measurement for performance:
(1) TELIGENT requests an extended interval that exceeds the standard interval stated in this Schedule, (2) after an order is submitted to CBT, it is changed or rescheduled by TELIGENT, (3) TELIGENT or the Customer causes a delay in completing an order, (4) any other "Delaying Event" as defined in this Agreement.

B. Standard Intervals for specific types of individual Network Elements:

Unbundled Loops

1. Two-Wire Analog Voice Grade Loops (POTS)

Volume:*
1-24 Loops 5 Business Days
25+ Loops Negotiated
2. Two-Wire Analog Voice Grade Loops (Qualified/Conditioned)

Volume:*
1-10 Loops 7 Business Days
11-20 Loops 10 Business Days
21+ Loops Negotiated
3. Four-Wire Analog Voice Grade Loop Negotiated
4. Four-Wire 64-Kbps Digital Loop Negotiated
5. Two Wire ISDN BRI 160-Kbps Digital Loop 10 Business Days
6. Four-Wire 1.544-Mbps Digital Loop

Facilities Available 7 Business Days
No Facilities Available Negotiated
7. Two Wire HDSL Compatible Loop Negotiated

8. Four Wire HDSL Compatible Loop

Negotiated

*Number of Individual Network Elements on a single Order, with requirement that separate orders are required for each specific customer premises for Unbundled Loops and NIDs; however CBT's performance with respect to the Performance Category reflected in this **Schedule 9.10** is determined on a loop-by-loop basis.

SCHEDULE 10.1

WHOLESALE RESALE SERVICES

1.0 Subject to changes due to decisions of the Commission or other applicable laws, rules, regulations or orders, CBT shall apply a wholesale discount of eleven point nine-two percent (11.92%) to all discounted resale services. When TELIGENT provides its own OS/DA service, CBT shall apply a wholesale discount of twelve point six-two percent (12.62%).

SCHEDULE 10.3.2

SCHEDULED TO BE WITHDRAWN SERVICES
KENTUCKY

NONE

SCHEDULE 10.9

RESALE STANDARD INTERVALS

A. Resale Standard Intervals

1. CBT shall, on a quarterly basis, complete 90% of the eligible installation orders within the intervals set forth below.
2. The following types of orders will be excluded from the measurement: (1) at TELIGENT's request, the "Application to Scheduled Completion" interval exceeds the Standard Interval (2) after the order is submitted to CBT, it is changed or rescheduled by TELIGENT, (3) TELIGENT or the customer causes a delay in completing the order, (4) any other "Delaying Event" as defined in this agreement

Standard Interval Guidelines

Service	Quantity	Interval (Business Days)
Residence Lines	Facilities available - no premises visit required	
	Order received before 12 noon	To be completed next day by 5 p.m.
	Order received after 12 noon	2
	Facilities available - premises visit required	5
	No facilities - premises visit required	5
	Additional line (>1 residence line/same premises)	5
Basic Business	1-5 lines	5
	6-10 lines	5
	11-15 lines	5
	16 + lines	Negotiated
Vertical Features	Add or change Vertical Features:	
	Order received before 12 noon	To be completed same day by 5 p.m.
	Order received after 12 noon	To be completed next day by 5 p.m.
Complex Business	ISDN - BRI	10

Service	Quantity	Interval (Business Days)
	PBX Trunks (in a new Trunk Group)	
	1-4 trunks	10
	5-8 trunks	15
	9-12 trunks	21
	13+ trunks	Negotiated
	PBX Trunks (additions to existing Trunk Group)	
	1-10 trunks	5
	11-20 trunks	10
	21+ trunks	Negotiated
	Centrex 2000 (upon Commission approval of Commitment 2000)	
		Negotiated
	Trunk Advantage & Prime Advantage	
	1-48 trunks	10
	49-96 trunks	14
	97-144 trunks	18
	145+ trunks	Negotiated

Note: As the regulatory environment changes, services may be added or deleted from the chart as mutually agreed upon by the Parties.

SCHEDULE 10.11.1

FORM OF REPRESENTATION OF AUTHORIZATION

TELIGENT/CBT hereby represents to CBT/TELIGENT, for purposes of obtaining a Customer's Customer Proprietary Network Information ("CPNI") or for placing an order to change or establish a Customer's service, that it is a duly certificated LEC and that it is authorized to obtain CPNI and to place orders for Telephone Exchange Service (including Resale Service) upon the terms and conditions contained herein.

1. With respect to requests for CPNI regarding prospective Customers of TELIGENT/CBT (i.e., those Customers for whom TELIGENT/CBT has not obtained Documentation of Authorization to provide Telephone Exchange Service), TELIGENT/CBT acknowledges that it must obtain written or electronic authorization in the form of a signed letter, tape-recorded conversation, to the extent allowed by applicable law, password verification, or by other means, in each case as approved by the FCC or the Commission ("**Documentation of Authorization**"), that explicitly authorizes TELIGENT/CBT to have access to the prospective Customer's CPNI. However, TELIGENT/CBT may obtain a blanket Document of Authorization for the Customer authorizing the release of CPNI to TELIGENT/CBT covering any and all requests for such CPNI made over a period of time designated by such authorization. The Documentation of Authorization must be made by the prospective Customer or the prospective Customer's authorized representative. In order to obtain the CPNI of the prospective Customer, TELIGENT/CBT must submit to CBT/TELIGENT the Documentation of Authorization. If TELIGENT/CBT cannot provide applicable Documentation of Authorization, then CBT/TELIGENT shall not provide CPNI to TELIGENT/CBT.
2. CBT/TELIGENT will only disclose CPNI to agents of TELIGENT/CBT identified in the Documentation of Authorization.
3. If TELIGENT/CBT has already obtained Documentation of Authorization from the Customer to place an order for Telephone Exchange Service for the Customer, TELIGENT/CBT need not submit Documentation of Authorization to obtain the Customer's CPNI.
4. With respect to placing a service order for Telephone Exchange Service (including Resale Services) for a Customer, TELIGENT/CBT acknowledges that it must obtain Documentation of Authorization that explicitly authorizes TELIGENT/CBT to provide Telephone Exchange Service to such Customer. The Documentation of Authorization must be made by the prospective Customer or Customer's authorized representative. TELIGENT/CBT need not submit the Documentation of Authorization to process a service order. However, TELIGENT/CBT hereby represents that it will not submit a service order to CBT/TELIGENT unless it has obtained appropriate Documentation of Authorization from the prospective Customer and has such Documentation of Authorization in its possession.
5. The Documentation of Authorization must clearly and accurately identify TELIGENT/CBT and the prospective Customer.

6. TELIGENT/CBT shall retain or be able to produce all Documentation of Authorization for as long as TELIGENT/CBT provides Telephone Exchange Service to the Customer or for as long as TELIGENT/CBT makes requests for information on behalf of the Customer.
7. TELIGENT/CBT shall provide, during Normal Business Hours, Documentation of Authorization for Customers or prospective Customers to CBT/TELIGENT upon request, when such Documentation of Authorization is at issue.
8. TELIGENT/CBT is responsible for, and shall hold CBT/TELIGENT harmless from, any and all Losses (as defined in that certain Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996, dated as of _____, 1999 by and between CBT and TELIGENT (the "**Interconnection Agreement**")) resulting from CBT/TELIGENT's reliance upon TELIGENT/CBT's representations as to its authority to act on behalf of a Customer or prospective Customer in obtaining CPNI or placing a service order for Telephone Exchange Service.
9. If TELIGENT/CBT fails to repeatedly and materially abide by the procedures set forth herein, CBT/TELIGENT reserves the right to insist upon the submission of Documentation of Authorization for each Customer in connection with a request for a service order.
10. This Representation of Authorization shall commence on the date noted below and shall continue in effect until the termination or expiration of the Interconnection Agreement.

Dated this 29TH day of July 1999.

TELIGENT

By: _____

Printed: _____

Title: _____

CINCINNATI BELL TELEPHONE
COMPANY

By: _____

Printed: Eugene J. Baldrate

Title: Vice President - Regulatory Affairs

SCHEDULE 10.12.5

LAW ENFORCEMENT INTERFACES

1.0 Introduction.

Consistent with Applicable Law, it is necessary for TELIGENT and CBT to provide interface requirements to allow TELIGENT to use a standard set of procedures for meeting the requirements of applicable law enforcement agencies ("**Law Enforcement Process**"). The Law Enforcement Process will enable TELIGENT to provide identical services to its Customers, as CBT provides to its customers with regard to such Law Enforcement Procedures. These services include Annoyance Call Bureau, wire intercept, trap and trace, fraud control, physical security and subpoena management, both civil and criminal. TELIGENT will compensate CBT for costs CBT incurs in order to perform the Law Enforcement Process for the benefit of TELIGENT and TELIGENT's customers.

2.0 Law Enforcement.

Definition - The Law Enforcement Process assures that TELIGENT (as a reseller of Resale Services) is in compliance with law enforcement requirements related to providing local Services to its Customers. The Parties agree to comply with law enforcement requirements as provided by the CALEA.

3.0 Annoyance Call Bureau.

3.1 Definition - CBT Annoyance Call Bureau ("**CACB**") conducts investigations to help determine the source of unwanted calls after victims receive annoying calls and file an official complaint with the local law enforcement agency. Annoying calls include: threatening, harassing, obscene, prank, hang-ups, unwanted sales pitches, and survey calls. The information obtained will only be released to the local law enforcement agency.

3.2 When TELIGENT must initiate a trap or trace as a result of its customer receiving an annoying call (e.g., threatening, harassing, obscene, prank, hang-ups, unwanted sales pitches and survey calls), the following operational interfaces should occur:

3.2.1 TELIGENT (the reseller) shall inform its Customer that it must file a formal complaint with the local police department and obtain agency's name, officer's name and case or report number.

3.2.2 TELIGENT shall contact CACB on behalf of its Customer and provide the required information to initiate trap or call trace.

3.2.3 The CACB shall conduct investigations to determine the source of the unwanted call; work with local police departments to gather evidence; and testify in court, if required, on behalf of TELIGENT Customers who have received annoying

calls. The CACB will build case for and establish trap for twenty-one (21) days. TELIGENT shall contact the CACB to renew the trap beyond twenty-one (21) days.

3.2.4 The CACB shall provide to TELIGENT a local number that will be accessible daily Monday through Friday from 8:00 a.m. - 5:00 p.m.

3.2.5 For non-emergency (not life-threatening) situations, TELIGENT shall advise its Customer to contact its local Law Enforcement Agency and to provide TELIGENT with required information to initiate a trap or call trace. TELIGENT will contact the CACB during standard operating hours to establish a case. For emergency (life-threatening) situations, TELIGENT shall inform its Customer to contact the appropriate Law Enforcement Agency, and this Agency will contact CBT to initiate a trap or call trace.

3.2.6 Additionally, for emergency situations, CBT corporate security will provide TELIGENT representatives with an emergency security contact available seven (7) days a week, twenty-four (24) hours a day, and TELIGENT will provide CBT representatives with an emergency security contact seven (7) days a week, twenty-four (24) hours a day.

3.2.7 TELIGENT's Customer must contact TELIGENT with the dates and times of the unwanted calls. TELIGENT shall fax the dates and times of the unwanted calls to the Annoyance Call Bureau.

3.2.8 At the end of the tracing investigation (twenty-one (21)-day period), the CACB shall send written confirmation to TELIGENT informing TELIGENT of the disposition of the case (i.e., successful or non-successful). All evidence obtained on a successful case will be forwarded to the local Law Enforcement Agency which TELIGENT identified to the CACB. TELIGENT shall inform its Customer of the results of the investigation.

3.2.9 If TELIGENT Customers call CBT to initiate an annoying call report, CBT shall advise the person receiving the annoying or harassing call to call TELIGENT.

4.0 Wire Intercept.

4.1 Definition - Requests from Law Enforcement Agencies to conduct a form of electronic or mechanical eavesdropping where, upon court order, law enforcement officials surreptitiously monitor phone calls (e.g., conversations or data) of TELIGENT Customers.

4.2 Operational Interface Requirements - The Law Enforcement Agency (e.g., local, state or federal police department or government organization) shall serve CBT with a court order, authorizing CBT to conduct a wire intercept on the TELIGENT Customer line.

5.0 Pen Register (Dial Number Recorder).

5.1 Definition - Requests from Law Enforcement Agencies to conduct a "form" of identifying calls dialed by TELIGENT Customers in local Exchange Areas. A pen register is a mechanical device that records the numbers dialed or pulsed on a telephone by monitoring the electrical impulses caused when the dial on the telephone is released. A pen register does not overhear oral communications and does not indicate whether calls are actually completed; thus, there is no recording or monitoring of the conversations.

5.2 Operational Interface Requirements - See Wire Intercept, Section 4.1.

6.0 Trace.

6.1 Definition - A form of electronic identification of calling numbers, where, upon consent from the TELIGENT Customer (via TELIGENT) or court order, law enforcement officials request a record of calling numbers to the premises of the TELIGENT Customer.

6.2 Central Office Features - Call Trace is an advanced custom calling feature that provides TELIGENT direct line Customers the ability to activate the feature by dialing a designated code. This will automatically trace the telephone number of the line used for the last call received by the Customer. The traced number will not be provided to the Customer but will be provided to law enforcement officials.

7.0 Subpoena Management.

7.1 Definition - The law enforcement or civil process initiated to compel the production of certain specific documents (e.g., Customer information, name, address, service type, call usage records, etc.) relevant to a legal proceeding are made and make them readily retrievable by local police departments, government organizations and attorneys. Other legal demands require the capability to honor other legal process demands (e.g., establishment of dialed number recorders, wire intercepts, and trace services, etc.)

7.2 Operational Interface Requirements - The Law Enforcement Agency (e.g., local, state or federal police department, government organization or attorney) or civil litigant shall serve CBT an original subpoena naming CBT in its court document for requests for Customer information (see above definition). CBT shall forward call trace information to the Law Enforcement Agency for inquiries regarding TELIGENT Customers. If the Law Enforcement Agency serves TELIGENT the original subpoena, TELIGENT shall forward a copy of the original subpoena to CBT and advise the Law Enforcement Agency to re-send an original subpoena naming CBT in its court document. CBT shall notify TELIGENT of the resolution of the investigation, if permitted. However, CBT shall only provide the results of the investigation to the proper Law Enforcement Agency. For civil subpoena, CBT will provide the requested information to the extent that the information is in its possession and is non-privileged.

7.3 Operations Interface Requirements for calls originating from a long distance carrier, computer, fax machine, pay phones and telemarketing calls to TELIGENT's Customers are pending further discussions with CBT.

SCHEDULE 10.13

RESALE MAINTENANCE PROCEDURES

By the end of Contract Month 1, the Implementation Team shall agree upon the processes to be used by the Parties for maintenance of Resale Services. These processes will address the implementation of the requirements of this **Schedule 10.13**.

1. CBT shall provide repair, maintenance and testing for all Resale Services in accordance with the terms and conditions of this **Schedule 10.13**. TELIGENT shall handle all interaction with TELIGENT Customers, including all calls regarding service problems, scheduling of technician visits, and notifying the subscriber of trouble status and resolution.
2. CBT technicians shall provide repair service that is equal in quality to that provided to CBT Customers; trouble calls from TELIGENT Customers shall receive response time priority that is at parity to that of CBT Customers and shall be based on trouble severity, regardless of whether the Customer is a TELIGENT Customer or a CBT Customer.
3. CBT shall provide TELIGENT with the same scheduled and non-scheduled maintenance, including required and recommended maintenance intervals and procedures, for all Resale Services provided to TELIGENT under this Schedule that it currently provides for its own customers. CBT shall provide TELIGENT notice of any scheduled maintenance activity that may impact TELIGENT's Customers on the same basis it provides such notice to its retail Customers. Scheduled maintenance shall include such activities as switch software retrofits, power tests, major equipment replacements and cable rolls.
4. CBT shall provide notice of non-scheduled maintenance activity that may impact TELIGENT Customers. Details of notification procedures will be addressed by the implementation team. CBT shall provide maintenance as promptly as possible to maintain or restore service and shall advise TELIGENT of any such actions it takes.
5. If service is provided to TELIGENT Customers before an Electronic Interface ("EI") is established between TELIGENT and CBT, TELIGENT will transmit repair calls to CBT repair bureau by telephone.
6. The CBT repair bureau, including the EI, shall be on-line and operational twenty-four (24) hours per day, seven (7) days per week, except when preventative maintenance and software revisions require an out-of-service condition. CBT will provide TELIGENT a twenty-four (24)-hour advanced notification of such out-of-service conditions.
7. CBT shall provide progress reports and status-of-repair efforts to TELIGENT upon request and at a frequency interval to be determined by the Implementation Team. CBT shall inform TELIGENT of restoration of Resale Service after an outage has occurred.
8. Maintenance charges for premises visits by CBT technicians shall be billed to TELIGENT, not to TELIGENT's customers, by CBT. The CBT technician shall, however, present the

Customer with an unbranded form to identify TELIGENT, TELIGENT's address, and TELIGENT's customer service telephone number detailing the time spent, the materials used and an indication that the trouble has either been resolved or that additional work will be necessary, in which case the CBT technician shall make an additional appointment with the Customer and notify TELIGENT as to the schedule of the appointment. The CBT technician shall obtain the Customer's signature when available upon said form and then use the signed form to input maintenance charges into CBT's repair and maintenance database.

9. Dispatching of CBT technicians to TELIGENT Customer premises shall be accomplished by CBT pursuant to a request received from TELIGENT. The Electronic Interface, or other procedures mutually agreed to by the Parties, shall have the capability of allowing TELIGENT to receive trouble reports, analyze and sectionalize the trouble, determine whether it is necessary to dispatch a service technician to the Customer's premises and verify any actual work completed on the Customer's premises.

10. Critical or Expedited Troubles.

Upon receiving a referred trouble from TELIGENT, the CBT technician will offer a dispatch appointment and quoted repair time dependent upon CBT's force-to-load condition. CBT's maintenance administrators will override this standard procedure on a non-discriminatory basis, using the same criteria as CBT uses to expedite intervals for itself and its subsidiaries, Affiliates and retail customers. If CBT will be unable to meet a TELIGENT expedited request, CBT will notify TELIGENT and TELIGENT will have the option to implement the escalation process described in the Implementation Plan.

11. Disaster Recovery.

- The Implementation Team will establish a process for disaster recovery that addresses the following:
- Events affecting CBT's network, work centers and operational support systems;
- Establishing and maintaining a single point of contact responsible for disaster recovery activation, statusing and problem resolution during the course of a disaster, and restoration;
- Procedures for notifying TELIGENT of problems, initiating restoration plans and advising TELIGENT of the status of resolution;
- Definition of a disaster; and
- Equal priority, as between TELIGENT Customers and CBT Customers, for restoration efforts, consistent with FCC Service Restoration guidelines, including, without limitation, deployment of repair personnel and access to spare parts and components.

SCHEDULE 10.13.2

SERVICE ORDERING AND PROVISIONING PROCEDURES AND INTERFACE FUNCTIONALITY

1. Service ordering and provisioning procedures will provide TELIGENT with the ability to:
 - (a) Obtain, during sales discussions with a Customer, access to the following CBT Customer service record data in a manner that is transparent to the Customer:
 - Billing telephone number/name/address
 - Service Location Address
 - Working telephone number(s) on the account
 - Existing service and features
 - Blocking
 - CLASS Features
 - Telephone Assistance Programs, Telephone Relay Service and similar services indicator
 - Special Exemption Status indicator, if any
 - Directory Listing Information
 - Information necessary to identify the IntraLATA toll provider and InterLATA provider, as applicable
 - (b) Obtain information on all features and services available;
 - (c) Order all desired features and services for the TELIGENT Customer.
 - (d) Assign a telephone number (if the TELIGENT Customer does not have one assigned);
 - (e) Establish the appropriate directory listing;
 - (f) Determine if a service call is needed to install the line or service;
 - (g) Schedule dispatch and installation, if applicable;
 - (h) Provide installation dates to Customer;
 - (i) Order local intraLATA toll service and enter TELIGENT Customer's choice of primary interexchange carrier on a single, unified order;
 - (j) Suspend, terminate or restore service to a TELIGENT Customer;

CBT will support four (4) transaction types: Assume, Change, New and Delete. If any additional transactional types are made available, the Implementation Team shall address availability and procedures for those additional transaction types.

2. TELIGENT shall be entitled to place orders to transfer a Customer to [?]TELIGENT without identifying the specific features and services being subscribed by such Customer at the time of the request ("**Migration-As-Is**"). Furthermore, if a Customer requests changes to its features and/or such service at the time of transfer, as part of a request for Migration-As-Is, TELIGENT need only specify the features and/or services that are to change. However, unless agreed to by CBT, Migration-As-Is will not include any service subscribed that is not a Telecommunications Service, that is available for Resale.
3. **Critical or Expedited Orders.** TELIGENT may request that the standard interval for provisioning will be expedited if CBT's standard intervals do not meet the TELIGENT Customer's requested due date. Orders will be expedited by CBT on the same basis as it expedites orders for its subsidiaries, Affiliates and retail Customers. If CBT will be unable to meet a TELIGENT expedite request, CBT will notify TELIGENT. CBT reserves the right to establish a charge at a later date, for expedite requests.
4. **General Resale Ordering and Provisioning Requirements.**
 - (a) CBT shall provide provisioning services to TELIGENT during Normal Business Hours, Business Days. TELIGENT may request CBT to provide Saturday, Sunday, holiday and/or off-hour provisioning services. If TELIGENT requests that CBT perform provisioning services at times or on days other than as required in the preceding sentence, CBT shall quote, within three (3) Business Days of the request, a cost-based rate for such services. If TELIGENT accepts CBT's quote, CBT shall perform such provisioning services. After having given TELIGENT a price quote, CBT may charge TELIGENT for any unanticipated extraordinary costs that it may incur, provided that CBT informs TELIGENT of the charge and TELIGENT verifies that it will pay for these charges. TELIGENT may request appropriate documentation from CBT detailing these charges. Such costs should not be duplicative of any costs already paid by TELIGENT for provisioning these services. Any disputes concerning the appropriateness of such charges may be resolved by the Commission.
 - (b) CBT shall provide a TELIGENT Service Center ("**LEC-C**") for ordering and provisioning contacts and order flow involved in the purchase and provisioning of CBT's Resale Services. The SPOCs shall provide an electronic interface for all ordering and provisioning order flows. The LEC-C shall provide to TELIGENT a telephone number, answered during Normal Business Hours, Business Days, by capable staff.
 - (c) CBT will recognize TELIGENT as the Customer of Record of all Resale Services ordered by TELIGENT and will send all notices, invoices and pertinent Customer information directly to TELIGENT.
 - (d) When requested by TELIGENT, CBT will schedule installation appointments with CBT's representative on the line with TELIGENT's representative until TELIGENT has access to CBT's scheduling system.

- (e) CBT will provide TELIGENT with a Firm Order Confirmation ("FOC") for each order within the interval agreed upon by the Implementation Team. The FOC must contain an enumeration of TELIGENT's ordered resale features, options, physical Interconnection, quantity and CBT commitment date for order completion ("**Committed Due Date**"), which commitment date shall be established on a non-discriminatory basis with respect to installation dates for comparable orders at such time.
 - (f) Upon work completion, CBT will provide TELIGENT with an order completion confirmation. CBT shall respond with specific order detail as enumerated on the FOC.
 - (g) As soon as identified, CBT shall provide notification of TELIGENT orders that are incomplete or incorrect and therefore cannot be processed.
 - (h) As soon as identified, CBT shall provide notification of any instances when CBT's Committed Due Dates are in jeopardy of not being met by CBT on any element or feature contained in any order for Resale Services. CBT shall indicate its new committed due date within twenty-four (24) hours.
 - (i) CBT shall provide to TELIGENT upon request:
 - (1) a list of all services and features and InterLATA and IntraLATA PICs technically available from each switch that CBT may use to provide Local Switching, by switch CLLI;
 - (2) detail of the service coverage area of each switch CLLI; and
 - (3) Industry standard notification to carriers regarding information on the details and requirements for planning and implementation of NPA splits;
 - (j) For Resale Services that require coordination among CBT, TELIGENT and TELIGENT's Customer, TELIGENT shall be responsible for any necessary coordination with the TELIGENT Customer.
5. CBT shall recognize TELIGENT as an agent for the subscriber in coordinating the disconnection of services provided by another TELIGENT or CBT, provided that TELIGENT has obtained proper authorization from the Customer.
6. If no Applicable Law governs an intraLATA toll carrier selection and if the Customer does not select an intraLATA toll carrier, the default carrier shall be determined pursuant to Local Service Guideline XE.
7. Number Administration/Number Reservations.
- (a) CBT shall provide TELIGENT with the ability to reserve telephone numbers for all services, including reservation of vanity numbers, and the same range of number

choices and reservation duration as CBT provides its own subscribers. Reservation and aging of numbers shall remain CBT's responsibility.

- (b) On the same basis as CBT provides to its retail customers, CBT shall hold up to 100 telephone numbers, per TELIGENT subscriber request.
8. **Service Migrations and New Subscriber Additions:** For resale services, CBT shall not require a disconnect order from a subscriber, another local service provider or any other entity to process a TELIGENT order to establish TELIGENT Local Service and/or migrate a subscriber to TELIGENT local service.
 9. **Order Rejections:** As soon as reasonably practicable, CBT shall reject and return to TELIGENT any order that CBT cannot provision and in its reject notification provide an error code identifying the reason(s) why such order was rejected.
 10. **Service Order Changes**
 - (a) If an installation or other TELIGENT-ordered work requires a change from the original TELIGENT service order in any manner, CBT shall call TELIGENT in advance of performing the installation or other work to obtain authorization. CBT shall then provide TELIGENT an estimate of additional labor hours and/or materials. After all installation or other work is completed, CBT shall immediately notify TELIGENT of actual labor hours and/or materials used in accordance with regular service order completion schedules.
 - (b) If a TELIGENT Customer requests a service change at the time of installation or other work being performed by CBT on behalf of TELIGENT, CBT, while at the Customer premises, shall direct the TELIGENT Customer to contact TELIGENT so as to avoid unnecessary delays in service activation, should the CBT representative leave Customer premises.
 11. **Implementation Team:** The Implementation Team shall address systems and process testing, service suspensions/restorations and disconnects.
 12. **Special Construction:** If the provision of any Resale Services requires special construction, TELIGENT shall pay to CBT any applicable special construction charges, as determined in accordance with the Act. If special construction is required, the Parties shall mutually agree on the nature and manner of such special construction, the applicable charges thereto and the negotiated interval(s) that will apply to the provisioning of such Resale Service(s) in lieu of the standard intervals set forth on **Schedule 10.9**.
 13. **Systems and Process Testing:** CBT shall cooperate with TELIGENT to ensure that all operational interfaces and processes are in place and functioning properly and efficiently.

14. Disconnects: CBT shall provide to TELIGENT daily information notifying TELIGENT of any services disconnected from TELIGENT in a method and format to be specified during Implementation Planning.

SCHEDULE 10.16

BILLING INFORMATION

1.0 General

1.1 CBT shall record messages as it records messages for itself and as required for future usage based services. Recorded Usage Data includes, but is not limited to, the following categories of information:

- Directory Assistance
- Local Coin
- Toll
- Interrupt
- Verify
- Inmate Services
- Optional Measured Service
- Community Connection Service
- CLASS Features
 - Repeat Dialing
 - Call Return
 - Usage Sensitivity 3-Way Calling
 - Call Tracing
- Calls Completed Via CBT-Provided Operator Services Where CBT Provides Such Service to TELIGENT's Local Service Subscriber
- For CBT-Provided Centrex Service, Station Level Detail Records Shall Include Complete Call Detail and Complete Timing Information

1.2 Retention of Records: CBT shall maintain a machine readable back-up copy of the message detail provided to TELIGENT for a minimum of forty-five (45) calendar days. CBT shall provide any data back-up to TELIGENT upon the request of TELIGENT.

1.3 CBT shall provide to TELIGENT Recorded Usage Data for TELIGENT subscribers. CBT shall not submit other carrier local usage data as part of the TELIGENT Recorded Usage Data.

1.4 CBT shall bill to TELIGENT, not to TELIGENT subscribers any recurring or non-recurring charges for resold services, including alternate billed calls (i.e., collect, 3rd party, bill-to-ANI).

1.5 CBT shall provide Recorded Usage Data to TELIGENT billing locations as mutually agreed to by both parties during Implementation Planning.

2.0 Charges

2.1 Unless modifications are mutually agreed upon, CBT shall not charge any fees additional for recording, rating or transmitting usage data.

2.2 No charges shall be assessed for incomplete call attempts.

3.0 Implementation Team Issues

The following issues will be addressed by the Implementation Team:

3.1 Central Clearinghouse & Settlement Procedures

3.2 Lost Data Procedures

3.2.1 Loss of Recorded Usage Data

3.2.2 Partial Loss

3.2.3 Complete Loss

3.2.4 Estimated Volumes

3.3 Testing, Changes and Control Procedures

SCHEDULE 12.10.1

PHYSICAL COLLOCATION SPACE RESERVATION

Space for Physical Collocation may be reserved on the following basis:

1. TELIGENT may reserve additional space in a CBT Central Office in which it has (or is ordering) Physical Collocation for permitted telecommunications-related equipment.
2. A reservation may be maintained only by the payment of a non-recurring charge to defray the administrative costs of the reservation system ("**Reservation Charge**").
3. The reservation can be made for an amount of space no greater than the amount of active Physical Collocation space being utilized (or ordered) for Interconnection with and/or access to the Network Elements of CBT by TELIGENT in the particular Central Office.
4. The reservation takes a priority based on the time at which it is made.
5. In the case of an order for Physical Collocation in an office in which all the unoccupied space is covered by reservations, all reservations will be prioritized by date. The holder(s) of the lowest-priority reservation(s) that, when considering all higher-priority reservations, still represent(s) available space sufficient to fill the order(s) for Physical Collocation (each, an "**Option Party**") will be given the option of "enforcing" or relinquishing its (their) reservation(s).

In this case, an Option Party may enforce its reservation by payment of the recurring Physical Collocation floor space charge otherwise applicable to the reservation space (in lieu of the non-recurring Reservation Charge). The reservation will be maintained until the Physical Collocation arrangement in that office is terminated or the reservation is terminated, whichever comes first. A new reservation may be activated by payment of the Reservation Charge, but it will take a new priority based on the time of reactivation. If an Option Party decides to enforce its reservation in this manner, the holder(s) of the reservation(s) with the next-higher priority will be given the option of enforcing or relinquishing its (their) reservation(s).

If an Option Party declines to enforce its reservation as indicated above, the reservation is relinquished and the reservation payment is forfeited. A new reservation may be activated by payment of another Reservation Charge, but the new reservation will be given a priority based on the time CBT received the reactivation reservation and payment of another Reservation Charge. The holder(s) of the reservation(s) with the next-higher priority will be required to enforce or relinquish its (their) reservation(s) until such time as all Option Parties have either enforced or relinquished its (their) space reservation(s).

6. The holder of a valid reservation may place an order for Physical Collocation for the reserved space at any time. If there is sufficient unoccupied space to accommodate the order after subtracting space covered by reservations of higher priority, the order will be processed. If there is insufficient space to accommodate the order after subtracting space covered by valid reservations of Option Parties with higher priority that have been enforced, the holder's reservation shall be maintained.

7. In a Central Office, CBT may reserve space on the following conditions:
 - The amount of space must be the least amount of space reasonably necessary for the provision of a communications-related service, including Interconnection and the provision of unbundled Network Elements. Except for space reserved for switch (including Tandem Switches and STPs) conversion and growth and for augmentation and conversion of mechanical and electrical support systems and building infrastructure, the reserved space must reasonably be anticipated to be used in three (3) years.

 - The total amount of space reserved cannot exceed the amount of space CBT is currently using in the Central Office.

8. CBT shall enforce its reservation in the same manner in which TELIGENT and other collocating Telecommunications Carriers shall be required to enforce their reservations.

SCHEDULE 12.10.3

COLLOCATION CAPACITY PLANNING

By the end of the third Contract Month after the Effective Date, TELIGENT and CBT shall jointly develop a planning process for meeting TELIGENT's space and intraoffice facility requirements, which shall include the procedures to be followed for the TELIGENT quarterly forecast of anticipated additional power requirements.

SCHEDULE 12.13

DELIVERY OF COLLOCATED SPACE

1.0 Delivery of Physical Collocation Space

1.1 Upon receiving the written notification of the availability of Collocation space from CBT, TELIGENT shall send written verification that it still requires each Collocation space requested on TELIGENT's application for which space is available. This written verification is TELIGENT's firm order for service for each Collocation space requested. Subject to **Section 1.2** below, TELIGENT's written verification shall be accompanied by TELIGENT's payment of forty percent (40%) of all applicable Central Office Build-Out ("+") fees (the "**Initial COBO Payment**"). COBO modifications and additions to space described in the proposal will not begin until the Initial COBO Payment has been paid. Delayed payment of the Initial COBO Payment may delay the actual service date.

1.2 So long as TELIGENT has a satisfactory credit rating with CBT for the twelve (12)-month period preceding the date of TELIGENT's request for Collocation pursuant to **Section 12.13**, TELIGENT shall pay the COBO charges as follows:

Initial COBO Payment:	40% of COBO charges
Delivery by CBT of confirmation that construction of space is fifty percent (50%) complete:	40% of COBO charges
Completion of space conditioning:	20% of COBO charges

If TELIGENT's credit rating is not satisfactory within the aforementioned period, TELIGENT's method of payment of the COBO charges shall be in accordance with the provisions of CBT's applicable tariff.

2.0 Additional Rules and Regulations Applicable to Physical Collocation Space

Physical Collocation will be provided subject to the following provisions:

2.1 TELIGENT will be responsible for all extraordinary costs, as determined in accordance with the Act, incurred by CBT to prepare the Collocation space for the installation of TELIGENT's equipment and for extraordinary costs to maintain the Collocation space for TELIGENT's equipment on a going-forward basis. Extraordinary costs may include costs for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, increasing the DC power system infrastructure capacity, increasing the capacity of the standby AC system or the existing commercial power facility, conversion of non-Collocation space, compliance with federal and state requirements, or other modifications required by local ordinances. CBT will charge for these costs on a time-sensitive or time-and-materials basis. An estimate of

such costs, as determined in accordance with the Act, will be provided to TELIGENT prior to commencing such work. Extraordinary costs will only be billed to TELIGENT if such costs have been authorized by TELIGENT. Extraordinary costs do not include costs associated with maintenance and upkeep of the building.

Within ten (10) Business Days after the initial walkthrough referenced in **Section 12.13.2(b)**, CBT shall provide to TELIGENT a written proposal that covers TELIGENT's requirements for the space and details the associated requirements and the applicable charges required to meet TELIGENT's specific request and the expected service date. TELIGENT shall acknowledge acceptance of the charges in the written proposal by signing it and returning a copy to CBT. Upon receipt of TELIGENT's signed proposal, CBT will begin the work and charge TELIGENT for the actual time and material needed to complete the modifications, plus a reasonable contribution. In no case will actual charges exceed those estimated by more than ten percent (10%).

2.2 Each Party will be responsible for notifying the other Party of any significant outages of a Party's equipment that could impact any of the services offered by the other Party and provide estimated clearing time for restoration.

2.3 The Parties shall coordinate to ensure that services are installed in accordance with the service request.

2.4 Each Party is responsible for testing, if necessary, with the other Party to identify and clear a trouble when the trouble has been sectionalized (isolated) to a service provided by that Party.

2.5 Before beginning delivery, installation, replacement or removal work for equipment and/or facilities located within the Collocation space, TELIGENT shall obtain CBT's written approval of TELIGENT's proposed scheduling of the work in order to coordinate use of temporary staging areas and other building facilities, which approval shall not be unreasonably withheld or delayed. CBT may make reasonable request for additional information before granting approval and may reasonably require scheduling changes. TELIGENT shall indicate on the drawings provided by CBT, pursuant to **Schedule 12.16**, TELIGENT's plans for equipment to be installed in the Collocation space prior to commencing installation.

2.6 CBT shall have the right to inspect TELIGENT's completed installation of equipment and facilities prior to TELIGENT turning up such equipment and facilities. TELIGENT shall provide written notification to CBT when TELIGENT has completed its installation of equipment and facilities in the Collocation space, and CBT shall, within five (5) Business Days of receipt of such notice, either (i) inspect such Collocation space or (ii) notify TELIGENT that CBT is not exercising its right to inspect such Collocation space at that time and that TELIGENT may turn up its equipment and facilities. Failure of CBT to either inspect the Collocation space or notify TELIGENT of its election not to inspect such space within the foregoing five (5) Business Day period shall be deemed an election by CBT not to inspect such Collocation space. TELIGENT shall have the right to be

present at such inspection, and if TELIGENT is found to be in non-compliance with the terms and conditions of this Agreement that relate to the installation and use of TELIGENT's Collocated equipment and facilities, TELIGENT shall modify its installation to achieve compliance prior to turning up its equipment and facilities.

2.7 CBT shall have the right to make periodic inspections of TELIGENT's equipment and facilities occupying a Collocation space and associated entrance conduit and riser space. CBT will notify TELIGENT in writing not less than two (2) Business Days in advance of such inspections, and TELIGENT shall have the right to be present at the time of such inspection. If TELIGENT is found to be in non-compliance with the terms and conditions of this Agreement that relate to the installation and use of TELIGENT's Collocated equipment and facilities, TELIGENT must modify its installation to achieve compliance.

3.0 Delivery of Virtual Collocation Space

3.1 CBT shall allow periodic inspections of Virtual Collocation space where TELIGENT equipment is located upon reasonable advance notification.

3.2 CBT shall ensure that all applicable alarm systems (e.g., power) that support TELIGENT equipment are operational and the supporting databases are accurate so that equipment that is in alarm will be properly identified and notification shall be sent to TELIGENT as soon as reasonably possible.

3.3 Virtual Collocation shall be provided in accordance with the terms and conditions of Tariff F.C.C. No. 35, Section 17.11, provided, however, if any provision of such tariff is inconsistent with the Act, the Act shall govern.

SCHEDULE 12.13.4

MICROWAVE COLLOCATION

1.0 Microwave Collocation includes placement of supporting masts, non-penetrating roof mounts ("NPRM"), and microwave antenna(e) on the roof top or other suitable exterior spaces of CBT's Central Offices. The method of placing TELIGENT's antenna(e) shall be by NPRM unless the Parties mutually agree to a different method. The Parties agree that the elements listed below reflect requirements for Microwave Collocation, and it shall be provided in accordance with the rates, terms and conditions in this Schedule 12.13.4 and the Pricing Schedule. The Parties acknowledge that Microwave Collocation requires unobstructed line-of-sight. Unobstructed line-of-sight will be provided by CBT where technically feasible but is not guaranteed to be available.

1.1 Initial Site Visit: TELIGENT will provide a Site Visit Request to CBT, in writing, setting forth the names of the CBT Central Office Building(s) TELIGENT wishes to visit for potential Microwave Collocation. Such site visit consists of a TELIGENT representative and appropriate CBT personnel visiting a CBT Central Office building for the purpose of determining whether an unobstructed line-of-sight may be technically feasible. Such Site Visit does not obligate TELIGENT to request, or CBT to provide, Microwave Collocation on the site. The site visit will take place within five (5) business days of receipt by CBT of TELIGENT's Site Visit Request or as soon thereafter as can be scheduled by the Parties.

TELIGENT will submit a Site Visit Request fee of \$250.00 for each site requested with each Site Visit not to exceed two hours. For site visits that take longer than two (2) hours, the time in excess of two (2) hours will be charged by CBT to TELIGENT at CBT's loaded labor rates on a per hour basis.

1.2 Microwave Collocation Application: In addition to the information required for physical collocation specified in Section 12.13.1, TELIGENT shall provide information detailing (i) proposed rooftop/exterior space location of microwave equipment, (ii) description of microwave equipment, and (iii) any other pertinent information for each central office building where TELIGENT seeks Microwave Collocation. The information and fees will apply both to space on the roof as well as space inside the CBT central office. Within ten (10) days of receiving the applications CBT shall inform TELIGENT (i) if space is available inside the central office for the termination equipment and (ii) if space is available on the roof, parapet or other exterior structures.

If CBT concludes that rooftop/exterior space which provides TELIGENT with unobstructed line-of-sight does not appear to be technically feasible, CBT will provide TELIGENT a written explanation of such technical infeasibility. Such explanation shall also be provided within ten (10) days of CBT's receipt of the collocation application.

CBT shall provide a "Track B" quote as described more fully below, provided CBT shall be permitted where unusual circumstances warrant, to provide only a "Track A" quote. Where a Track A quote is provided, TELIGENT shall have the right to provide a quote from a CBT-approved contractor. If such TELIGENT-provided quote is more advantageous to TELIGENT - either on price or implementation schedule - CBT must either use such TELIGENT-selected contractor or provide that CBT's contractor will match the price and implementation schedule of the TELIGENT selected contractor.

Where a Track B quote is provided, all contractors shall be CBT-approved contractors. CBT reserves the right to object to any part of the quote or work on the grounds of quality of work, performance specifications, or scheduling, and to either select another contractor or provide a quote to TELIGENT to perform the work itself, provided that in either event TELIGENT shall not be adversely affected. The parties agree to cooperate so as to complete the necessary work in an expeditious, high quality and cost-effective manner.

1.3 Pre-Construction/Technical Site Visit: Within ten (10) business days of approving TELIGENT's Microwave Collocation Application, the Parties shall visit the Central Office building where Microwave Collocation has been requested to develop specific engineering and related technical data for use by CBT to prepare a quote. TELIGENT, by the end of the Pre-Construction/ Technical Site Visit, or within five (5) business days thereafter, shall provide CBT with the following data:

- Type of antenna mount (pipe, NPRM)
- Type of equipment to be collocated within TELIGENT's case (vendor; capacity; power consumption, peak and nominal; equipment operating voltage)
- Line of sight requirements (Aximuth)
- Relevant Information includes: Station Name, Call Sign, Latitude, Longitude, Primary Antenna Type, Antenna Center Line (C/L), Antenna Gain, Diversity Antenna type (if used), Diversity Antenna C/L, Diversity Antenna Gain, Equipment Type, Equipment Emission, Power (dBm/Watts), Receive Level (dBm), EIRP (dBm/Watts), Transmit Frequency (Mhz)

Other relevant information as Identified at the site visit.

1.4 Preparation of Quote(s): Within thirty (30) days of receiving the information set forth in Section 1.3 of this **Schedule 12.13.4** from TELIGENT, CBT will provide, as more fully described below, (1) Track A and/or Track B quote(s) and (2) a quote for the Monthly Recurring Charges pursuant to the rates and terms set forth in the Pricing Schedule. A Track A quote shall state that CBT will be responsible for performing the necessary Microwave Collocation work.

Where a list of CBT-approved contractors is available, TELIGENT may, under Track B, select the subcontractor(s) to provide the necessary work for the Microwave Collocation arrangement or perform the work itself, if deemed a CBT-approved contractor. If TELIGENT elects to subcontract the work for the Microwave Collocation arrangement, TELIGENT will also pay CBT to monitor and/or supervise such work. All such work contracted by TELIGENT will be performed under the reasonable supervision of CBT personnel and comply with CBT's nondiscriminatory practices and procedures. Escorted access will also be provided as necessary by CBT, at TELIGENT's expense, as described below. CBT or its designated subcontractors shall perform all necessary work outside of the Microwave Collocation arrangement (including work associated with grounding, power and building modifications) unless otherwise agreed to by the Parties. In any event, all work performed shall be done exclusively by CBT-approved providers. The quote(s) shall reflect the specifications submitted by TELIGENT and may change based on the actual field conditions encountered during construction. All CBT quotes shall be based upon the most cost-effective and practical method of accomplishing the tasks attendant to the proposed interconnection and collocation.

1.4.1 Written Assessment:

This shall include:

- 1.4.1.1 A statement of technical feasibility, including information on line of sight and any obstructions;
- 1.4.1.2 Preliminary construction drawings that show the relevant roof plan, elevations as necessary, and support structure detail; and
- 1.4.1.3 Electrical drawings.

1.4.2 Quotes:

- 1.4.2.1 The Track A Quote shall set forth separate, itemized charges for the following work:

- 1.4.2.1.1 Architect Fees.

The standard building permit application process will be handled by CBT's architect. Any Conditional Use Permit (CUP) requirements will be handled pursuant to Section 1.4.2.6 of this **Schedule 12.13.4.**

1.4.2.1.2 Engineering Study

An Engineering Study will only be performed if necessary to maintain the integrity of the rooftop location or if required by a relevant permitting agency. The fee quoted for the study will be the sum of the hourly charges for time spent by CBT's Engineers.

1.4.2.1.3 Permitting Review:

This shall be the sum of the hourly charges of CBT Real Estate and/or Project Managers whose time was reasonably necessary and actually spent reviewing permitting material and/or assisting TELIGENT in the permitting process. CBT shall have final approval authority on all proposed conditions (which shall not be unreasonably withheld) imposed by relevant jurisdictions and CBT shall have the right to be represented at all hearings in connection with governmental approvals.

1.4.2.1.4 Microwave Equipment Installation:

This shall Include:

- (a) Mounting of microwave antenna(e) and support structure, as required;
- (b) Installation of required coaxial cable;
- (c) Installation of any required conduit to the interior physical Collocation space;
- (d) Coring, if required;
- (e) Weatherproofing, if required;
- (f) Electrical modifications, including grounding; and
- (g) Antenna specialist, if required.

1.4.2.1.5 CBT Supervision of Installation.

This shall be the sum of hourly charges of any CBT Real Estate Specialists or Project Managers who monitor the installation performed by CBT's contractor. All necessary monitoring and related activity undertaken by CBT employees shall not exceed a total of two hours per day of construction unless circumstances reasonably warrant additional time.

1.4.2.1.6 Special Security Construction:

If CBT demonstrates that new, secure access to the Microwave Collocation location is reasonably necessary or if TELIGENT desires such access, the costs associated with the construction of such access shall be described on a separate schedule to be provided by CBT to TELIGENT.

1.4.2.2 The Track B Quote shall set forth separate itemized charges for the following work:

1.4.2.2.1 Architectural Plan Review:

This shall be the sum of hourly charges of CBT Architects necessary to review the plans. CBT shall not charge in excess of two hours for such review of draft(s), unless CBT demonstrates that circumstances reasonably warrant additional time or the Parties agree that more time is required.

1.4.2.2.2 Permitting Review:

This shall be the sum of the hourly charges of CBT Real Estate and/or Project Managers whose time was reasonably necessary and actually spent reviewing permitting material and/or assisting TELIGENT in the permitting process. CBT shall have final approval authority on all proposed conditions, (which shall not be unreasonably withheld) imposed by relevant jurisdictions and CBT shall have the right to be represented at all hearings in connection with governmental approvals.

1.4.2.2.3 Exterior (and Related Interior) Building Modification Work:

CBT will include a quote for CBT to perform coring within the Central Office, roof strengthening or any other exterior building modification, that may be required.

1.4.2.2.4 Supervision of General Contractor:

This shall be the sum of the hourly charges of any CBT Real Estate Building Specialists or Project Managers who monitor the installation performed by TELIGENT's contractor. All necessary monitoring and related activity undertaken by CBT employees shall not exceed a total of two (2) hours per day of construction unless CBT demonstrates that circumstances reasonably warrant additional time or the Parties agree that more time is required.

1.4.2.2.5 Special Security Construction:

This shall be the same element as set forth in Section 1.4.2.1.4 of this **Schedule 12.13.4**.

1.4.2.3 Recurring Charges

These consist of:

1.4.2.3.1 Monthly Recurring Rooftop Space Rental Fee:

The Monthly Recurring Roof-Top Space Rental Fee shall be on a per square foot basis as set forth in the Pricing Schedule. TELIGENT is limited to the placement of two microwave antenna(e) within its space, each with a limit of 30 inches in diameter and/or subject to the height specifications as set forth in Section 14.0 of this **Schedule 12.13.4**, subject to line-of-sight and structural engineering guidelines. At no time shall an antenna(s) be directed across open roof space without approval of CBT which shall not be unreasonably withheld. Requests for larger or additional equipment, including antenna(e) will be handled on an individual case basis (ICB).

The Commencement Date for payment of the Space Rental Fee shall be the date the space is approved and turned over to TELIGENT for use.

1.4.2.3.2 Escorted Access.

Where necessary, CBT will provide escorted access to space on the roof based on the hourly rates set forth in the Pricing Schedule. The level of the CBT personnel assigned to escort TELIGENT shall be commensurate with TELIGENT's needs.

1.4.2.4 All quotes shall be valid for ninety (90) days from issuance, and TELIGENT shall accept, reject or request changes within such time period. To accept a quote, TELIGENT shall follow procedures set forth in Section 1.0 of Schedule 12.13.

1.4.2.5 Equipment and Testing:

TELIGENT shall be responsible for providing, at its sole expense, the antenna(e), coaxial cable, brackets, connectors, support structure and weather-proofing materials for such support structure or antenna(e) required for the Microwave Collocation. TELIGENT shall also be solely responsible for final adjustments (e.g., pointing) of the antenna(e).

1.4.2.6 Conditional Use Permit Process:

TELIGENT shall be responsible for obtaining all relevant Conditional Use Permits (CUPs) and shall bear all costs and fees. TELIGENT shall regularly apprise CBT of the status of such permitting and consult with CBT as reasonably necessary.

CBT shall cooperate with TELIGENT, and TELIGENT shall pay CBT the hourly rates for time reasonably necessary and actually spent by CBT Real Estate or Project Managers on the permitting process. CBT shall have final authority and exercise it in a reasonable manner on all proposed jurisdictional conditions and has the right to be represented at all CUP hearings.

1.4.2.7 Schedule:

The Initial Microwave Collocation Method of Procedure

(MOP) meeting between the Parties and the contractor(s) shall be held within ten (10) business days of the Start Date or receipt of all necessary permits, whichever is later. Installation of the Microwave Collocation will be complete within ten (10) business days of the MOP, provided (1) TELIGENT has delivered all the necessary microwave and related equipment to the Central Office prior to or on the date requested by the contractor; (2) all necessary permits have been issued, (3) there is not inclement weather which makes it commercially unreasonable to perform the work (e.g., rain or snow) (4) there are no concurrent CBT projects, under way or planned that interfere with the completion of TELIGENT's proposed project unless such projects have been disclosed at the initial MOP or is an emergency project, and (5) there are no Acts of God or other force majeure which prohibit the installation. A final project acceptance meeting shall be scheduled within five (5) business days of the installation completion date. At this final meeting the Parties shall review and approve the hand-off of the Microwave Collocation.

2.0 No Property Right Conferred:

Notwithstanding anything contained herein to the contrary, Microwave Collocation shall not confer or be deemed to confer any property interest or right in CBT's property, and TELIGENT hereby acknowledges that the rights conferred hereunder shall constitute merely a non-exclusive license to use a portion of CBT's property solely for the purposes set forth herein. A limit of two (2) TELIGENT Microwave Collocation arrangements per central Office will be permitted unless otherwise agreed by the Parties.

Title to TELIGENT's Microwave Collocation equipment shall remain in TELIGENT as the property of TELIGENT and shall not become fixtures to CBT's property.

3.0 Responsibility of the Parties:

- 3.1 TELIGENT shall obtain any and all applicable and necessary permits, variances, licenses, approvals and authorizations from governmental agencies with jurisdiction. including without limitation, conditional use permits and building permits, FCC licenses and FAA approval, to operate and maintain TELIGENT's facilities during the Term of this Agreement.
- 3.2 TELIGENT shall not use CBT's property or permit TELIGENT's agents or contractors to do anything in or about the Central Office(s) in conflict with any applicable law affecting the condition, use or occupancy of the property or the installation, operation or maintenance of TELIGENT's Microwave Collocation

equipment. TELIGENT shall not commit any public or private nuisance or any other act or practice which might or would materially disturb the quiet enjoyment of any occupant of nearby properties.

- 3.3 Where CBT performs the installation work, (i.e., Track A) CBT shall select the architect, engineers, surveyors, contractors, suppliers, consultants and subcontractors which may be necessary to develop plans, furnish materials and equipment, and perform construction work. CBT shall manage all such work in accordance with the plans and specifications approved by the Parties, all applicable laws, codes and regulations, and shall require that all contractors perform their work in a good workmanlike manner. CBT shall require that all Contractors include TELIGENT as an additional insured to any policies of insurance maintained by the Contractor for purposes of the Work, and shall indemnify TELIGENT from losses, costs and expenses incurred as a result of contractor's work. TELIGENT hereby acknowledges and agrees that CBT shall not be liable for the work performed, materials, supplies, or work products furnished by any contractor, and that TELIGENT shall look solely to the contractor and any warranties, indemnification or insurance furnished by such Contractor, waiving and releasing CBT from any claim or liability therefrom except to the extent of the negligence or willful misconduct of CBT in the performance of its project management activities.
- 3.4 Notwithstanding any other provision of this Agreement, TELIGENT hereby acknowledges that CBT may have existing wireless communications facilities of its own or of other tenants or licensees on or at CBT's Central Office, and/or CBT may desire from time to time throughout the term of this Agreement to enter into agreements with other wireless communications providers for the installation, operation and maintenance of communications facilities on or at CBT's Property ("Aggregating Providers"). TELIGENT shall cooperate with CBT and all other Aggregating Providers so as to reasonably accommodate the needs and requirements of such Aggregating Providers with respect to the installation, operation use and maintenance of their equipment and facilities, and all necessary alterations, modifications and other improvements to CBT's property, including utility connections and access. Subject to ownership of any exclusive frequency rights, TELIGENT's facilities shall not physically, electronically, or inductively interfere with the existing CBT or other customers' or tenants' existing facilities. Each transmitter individually and all transmitters collectively at a given location shall comply with appropriate federal, state, and/or local regulations governing the safe levels of RF radiation. The foregoing obligations shall apply to all other Aggregating Providers.

In the event TELIGENT desires to relocate any of its then-existing Microwave Collocation facilities to a different place on the relevant CBT Central Office rooftop, TELIGENT shall submit a written request to CBT specifying the new location TELIGENT proposes to occupy. CBT shall, within thirty (30) days,

approve such relocation or describe, in writing, why such relocation is not technically feasible.

- 3.5 Upon the expiration or termination of this Agreement, TELIGENT shall surrender the Microwave Collocation space to CBT in its original condition and in good order and repair, less ordinary wear and tear. TELIGENT, at its expense, to CBT's reasonable satisfaction, shall repair any and all damages caused by removal of TELIGENT's Microwave equipment, or by the use, operation or placement of its Microwave equipment on the Premises. In the event TELIGENT fails to remove its Microwave equipment, CBT shall have the right to retain such Microwave equipment and all rights of TELIGENT with respect to it shall cease. TELIGENT shall be liable to CBT for all costs of removal, restoration of the property, and the costs of storage, transportation, sale or other disposition of such Microwave equipment incurred by CBT.
- 3.6 TELIGENT's Insurance Obligations. The insurance requirements in **Section 19.8** shall also apply to microwave collocation.
- 3.7 At its sole cost and expense, TELIGENT shall maintain TELIGENT's provided Microwave equipment, including without limitation, all necessary repairs, replacements and restorations. In addition, TELIGENT shall keep its Microwave Collocation space in a good, neat, sanitary and workmanlike condition. If TELIGENT shall fail to keep its Microwave Collocation space in such workmanlike condition after ten (10) days written notice from CBT, CBT shall have the right but not the obligation to clean up the space on TELIGENT'S behalf. In such event, TELIGENT shall be liable to CBT for the cost and expense of such work, upon written demand.
- 4.0 Secure Access. The security arrangements in **Section 12.11** shall also apply to microwave collocation.
- 5.0 If the proposed Microwave Collocation arrangement is structurally feasible and TELIGENT agrees to the non-recurring and monthly recurring pricing, TELIGENT must then meet the following conditions prior to construction:
- Obtain FCC license (if required)
 - Complete filing of appropriate notifications to the FAA (if required)
 - Seek and obtain any local approval for any modifications to the central office roof
- 6.0 TELIGENT is responsible for providing cable from the radio frequency (RF) equipment to the collocation cage.
- 7.0 Subject to the requirements set forth in this Agreement and Federal and State law, CBT is not required to construct any type of tower space or allow construction of tower

space on the roof to accommodate a microwave request.

- 8.0 CBT will manage roof space on a first-come/first-served basis. CBT will work cooperatively with TELIGENT in determining suitable space for TELIGENT equipment. Once the parties mutually determine an initial location which provides for line of sight pursuant to Section 4.1 of **Schedule 12.13**, TELIGENT is guaranteed a clear line of sight from the antenna mount and the edge of CBT's roof line. If CBT requires a building enhancement/ modification or through the placement of additional equipment obstructs TELIGENT's existing line of sight, CBT will work with TELIGENT to move the antenna mount or raise the height of the antenna mount for a clear line of sight. The costs of this modification will be borne by CBT.

If a third party elects to place equipment on the roof that obstructs an existing line of sight, the third party application will be denied unless all three parties mutually agree to move an existing arrangement to allow for a clear line of sight. The costs of this application will be borne by the third party.

- 9.0 TELIGENT is limited to placement of two microwave antenna(e) within the designated space. TELIGENT must submit plans and seek approval from CBT before adding additional equipment to the collocation space or move equipment outside of designated space. TELIGENT may not construct improvements or make Major Alterations to its rooftop space or microwave transmission facilities without prior written approval from CBT. which will not be unreasonably withheld. CBT shall respond to any requests within a reasonable timeframe not to exceed thirty (30) calendar days. "Major Alterations" shall include (i) additional construction by TELIGENT of support equipment within its rooftop space, (ii) addition of mounted equipment not expressly contemplated by the Microwave Collocation Application relating to such rooftop space and microwave transmission facilities, and (iii) any modification to the rooftop space. "Major Alterations" shall not include (i) replacement of mounted equipment with like-sized or smaller mounted equipment or similar functionality, (ii) addition of mounted equipment expressly contemplated by the Microwave Collocation Application relating to such rooftop space and microwave transmission facilities and (iii) routine repairs and maintenance to such microwave transmission facilities. Additional equipment or movement of existing equipment may require a new application.

- 10.0 If at any time CBT reasonably determines that any TELIGENT's facilities or equipment or the installation of TELIGENT's facilities or equipment does not meet the requirements outlined in this Agreement, TELIGENT will be responsible for the costs associated with the removal of such facilities or equipment or modification of the facilities or equipment or installation thereof to render it compliant. If TELIGENT fails to correct any non-compliance with these standards or fails to demonstrate that the equipment is compliant within fifteen (15) days' written notice to TELIGENT, CBT may have the facilities or equipment removed or the condition corrected at TELIGENT's expense.

- 11.0 If CBT reasonably determines that any TELIGENT activities, equipment or facilities are unsafe, do not meet the specifications described in this agreement, or are in violation of any applicable fire, environmental, health, safety or other laws or regulations, CBT has the right to immediately stop such activities or the operation of such facilities or equipment or place it on hold. When such conditions do not pose an immediate threat to the safety of CBT employees, interfere with the performance of CBT service obligations, or pose an immediate threat to the physical integrity of the roof, the walls, the conduit system, the cable facilities, or any other facilities of CBT, CBT will provide TELIGENT fifteen (15) days written notice to correct the condition. However, when such conditions pose an immediate threat, CBT may perform such work and/or take such action that CBT deems necessary without prior notice to TELIGENT. The cost of this work and/or actions will be at TELIGENT's expense.
- 12.0 TELIGENT equipment must comply with Bellcore Network Equipment Building System (NEBS) Generic Equipment Requirements (TR-NWT-000063), Electromagnetic Compatibility and Electrical Safety Generic Criteria for Network Telecommunication Equipment (TR-NWT-001089), FCC OET Bulletin 65 dated 08/97, Central Office Equipment Installation/Removal Generic Requirements (GR-1275-CORE), Protective Grounding Systems Requirements for Microwave Radio Main and Auxilliary Stations (BSP 802-001-197), and Standard for the Installation of Lightning Protection Systems (NFPA 780).
- 13.0 CBT will not generally provide power or environmental support to the roof space. If CBT agrees in response to a specific request by TELIGENT to provide power or environmental support to the roof space, TELIGENT will bear all associated costs as specified by CBT to provide such services.
- 14.0 The following conditions will apply to rooftop/exterior space:
- 14.1 NPRMs. TELIGENT must lease a minimum of twenty-five (25) square feet and the NPRM shall be no taller than twenty (20) feet above the top of the building.
- 14.2 Wall or Side Mount. TELIGENT must lease a minimum of ten (10) square feet of roof/exterior space. TELIGENT shall have the option to lease an additional minimum fifteen (15) square feet of horizontal roof space adjacent to the antenna(e) mount in order to preclude CBT or other parties from placing equipment next to the side mount of the antenna(e), unless a smaller minimum space is approved by CBT. Wall or Side Mount shall be restricted to a height of ten (10) feet above the building structure at the location of the attachment, unless otherwise approved by CBT.

SCHEDULE 12.16

COMMON REQUIREMENTS

The following requirements are applicable to both Physical and Virtual Collocation:

1. CBT shall provide to TELIGENT any intraoffice facilities that TELIGENT requests and that CBT provides by tariff or contract to any carrier.
2. CBT shall allow for a Fiber Meet arrangement between the Parties' networks and facilities at the DS0, DS1, DS3, OC3, OC12 and OC48 rates pursuant to mutual agreement of the Parties.
3. TELIGENT may provide basic telephone service with a connection jack for the Collocated space.
4. CBT shall provide adequate lighting, ventilation, power, heat, air conditioning and other environmental conditions for TELIGENT's space and equipment. These environmental conditions shall comply with Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063 or other standards upon which the Parties may mutually agree.
5. CBT shall provide access, where available, to eyewash stations, shower stations, bathrooms and drinking water within the Collocated facility on a twenty-four (24)-hours-per-day, seven (7)-days-per-week basis for TELIGENT personnel and its designated agents.
6. CBT shall provide ingress and egress of fiber cabling to TELIGENT Collocated spaces. The specific level of diversity required for each site or Network Element will be provided in the request for Collocation.
7. CBT shall provide TELIGENT with written notice four (4) Business Days prior to those instances where CBT or its subcontractors may be performing non-emergency work that may affect the Collocated space occupied by TELIGENT or the AC and DC power plants that support TELIGENT equipment. CBT will inform TELIGENT by telephone of any emergency-related activity that CBT or its subcontractors may be performing that may affect the Collocated space occupied by TELIGENT or the AC and DC power plants that support TELIGENT equipment. Notification of any emergency-related activity shall be made as soon as practicable after CBT learns that such emergency activity is necessary.
8. TELIGENT shall not be required by CBT to relocate its equipment during the Initial Term or any Renewal Term. If TELIGENT, at CBT's request, agrees to relocate its equipment, then CBT shall reimburse TELIGENT for any and all costs reasonably associated with such relocation.

9. Should CBT sell or lease a Central Office or any portion thereof to a third person during the Initial Term or any Renewal Term, CBT shall require such third person to comply fully with the applicable terms and conditions of this Agreement as they relate to such third person.

10. Power, as referenced in this **Schedule 12.16**, refers to any electrical power source supplied by CBT for TELIGENT equipment. It includes all superstructure, infrastructure and overhead facilities, including cable, cable racks and bus bars. CBT will supply power to support TELIGENT equipment at equipment specific DC and AC voltages as mutually agreed upon by the Parties. CBT shall supply power to TELIGENT at parity with that provided by CBT to itself or to any third person. If CBT performance, availability or restoration falls below industry standards, CBT shall bring itself into compliance with such industry standards as soon as technologically feasible.

11. Subject to space limitations and TELIGENT's compliance with the applicable request process and payment requirements of this Agreement, CBT shall provide power to meet TELIGENT's reasonable needs for placement of equipment, Interconnection or provision of service.

12. Both TELIGENT's power equipment and CBT's power equipment supporting TELIGENT's equipment shall comply with applicable state and industry standards (e.g., Bellcore, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices and physical equipment layout.

13. CBT will provide TELIGENT with written notification within five (5) Business Days of any scheduled AC or DC power work or related activity in the Collocated facility that poses a reasonable risk of or causes an outage or any type of power disruption to TELIGENT equipment located in the CBT facility. CBT shall provide TELIGENT prompt notification by telephone of any emergency power activity.

14. Power plant alarms shall adhere to Bellcore Network Equipment as specified in **Schedule 2.3**

15. Cabling shall adhere to Bellcore Network Equipment as specified in **Schedule 2.3**

16. CBT shall provide Lock Out Tag Out and other electrical safety procedures and devices in accordance with OSHA or industry guidelines.

17. CBT shall, within ten (10) Business Days after receipt of the Initial COBO Payment for Physical Collocation or within ten (10) Business Days after the initial walkthrough for Virtual Collocation, provide TELIGENT with a copy of any existing drawings showing TELIGENT's proposed Collocation space and any related CBT facilities, and provide information relating to measurements for necessary TELIGENT cabling that are not obtainable from the drawings. Any copies of drawings shall be redacted so as not to provide proprietary information of other carriers. So long as CBT charges other Telecommunications providers for the provision of the foregoing drawings and

information, TELIGENT shall reimburse CBT for the costs, if any, incurred by CBT to provide TELIGENT with such drawings and information.

SCHEDULE 12.17

ADDITIONAL REQUIREMENTS APPLICABLE TO PHYSICAL COLLOCATION

The following additional requirements shall be applicable to Physical Collocation only:

1. Subject to space limitations and TELIGENT's compliance with the applicable request process and payment requirements for the space, CBT shall provide space, as requested by TELIGENT, to meet TELIGENT's needs for placement of equipment necessary for Interconnection and access to Network Elements.
2. CBT shall allow requests for contiguous space in increments of 100 ft² if the space is not subject to outstanding requests by other Telecommunications Carriers.
3. Other than reasonable security restrictions, CBT shall place no restriction on access to the TELIGENT Collocated space by TELIGENT's employees and designated agents. Such space shall be available to TELIGENT designated agents twenty-four (24) hours per day each day of the week. In no case should any reasonable security restrictions be more restrictive than those CBT places on its own personnel or independent contractors.
4. For each building in which Collocated space is provided and upon request by TELIGENT for that building, CBT will, provide TELIGENT with information known to it concerning environmental, health and safety conditions
5. CBT shall permit TELIGENT to install, on equipment node enclosures, an intrusion alarm that can be remotely monitored by TELIGENT's work center; provided, however, that no such TELIGENT-installed equipment shall interfere with the existing use of the Central Office.
6. TELIGENT shall not require advance approval from CBT to make improvements or alterations to the Collocated equipment configuration that are not substantial and do not require additional power.
7. Central Office power supplied by CBT into the TELIGENT equipment area shall be supplied in the form of fused power feeds from CBT's power distribution board to TELIGENT's BDFB located in the designated TELIGENT equipment area. The power feeders (cables) shall efficiently and economically support the requested quantity and capacity of TELIGENT equipment. The termination location shall be as mutually agreed upon by the Parties.

8. CBT power equipment supporting TELIGENT's equipment shall:
 - (a) Provide appropriate Central Office ground, connected to a ground electrode located within the TELIGENT Collocated space, at a level above the top of TELIGENT's equipment plus or minus two (2) feet to the left or right of TELIGENT's final request; and
 - (b) Provide feeder capacity and quantity to support the ultimate equipment layout for TELIGENT equipment upon completion of the equipment node construction in accordance with TELIGENT's request for Collocation.

**CINCINNATI BELL PRICING SCHEDULE FOR INTERCONNECTION
TELIGENT/CBT AGREEMENT**

ITEM I - Transport and Termination

A. End Office Local Termination	\$.003782	per minute
B. Tandem Switching	\$.002575	per minute
C. Tandem Transport Facility Mileage	\$.000073	per minute/mile
D. Dedicated Transport ¹	See IV. G.2. below	

ITEM II - BLV/BLVI Traffic

A. Busy Line Verification (BLV)	\$ 1.16	per use
B. Busy Line Verification Interrupt (BLVI) (in addition to BLV charge)	\$ 1.35	per use

ITEM III - Transit Service

A. Tandem Switching	See Access Tariff FCC No. 35
B. Tandem Transport Facility Mileage	See Access Tariff FCC No. 35

ITEM IV - Unbundled Network Elements

A.

1. 2-Wire Voice Grade Analog Unbundled Loop

Rate Bands²

	<u>Band 1</u>	<u>Band 2</u>	<u>Band 3</u>
a. Monthly Rates			
Residence	\$ 17.44	\$ 22.23	\$ 25.84
Business	\$ 17.44	\$ 22.23	\$ 25.84
b. Nonrecurring Rates	\$ 99.43	\$ 99.43	\$ 99.43

2. 4-Wire Voice Grade Analog Unbundled Loop

a. Monthly Rates			
Residence	\$ 34.89	\$ 44.46	\$ 51.68
Business	\$ 34.89	\$ 44.46	\$ 51.68
b. Nonrecurring Rates	\$ 122.27	\$ 122.27	\$ 122.27

B. Conditioning Options for 2-wire and 4-wire Voice Grade³ Analog Loops⁴

Monthly

Nonrecurring

¹ Applies in lieu of Tandem Switching and Tandem Transport Facility Mileage when local traffic is not routed through a tandem switch. The Dedicated Transport rate that the requesting carrier pays shall recover only the costs of the portion of that trunk capacity used by the requesting carrier to send the traffic it will terminate on the other carrier's network.

² "Rate Bands" are defined in Attachment A.

³ The Conditioning Options shown in B. 1., 2., and 3., below which apply for 2-wire loops, also apply for 4-wire loops in the interim, pending the completion of Case. No. 96-899-TP-ALT

⁴ Conditioning charges apply in addition to charges in A., above.

**CINCINNATI BELL PRICING SCHEDULE FOR INTERCONNECTION
TELENET/CBT AGREEMENT**

1. Improved Voice Grade Loss		
a. Qualification	-	\$ 46.28
b. Conditioning	\$ 20.93	\$ 55.01
2. Non-Loaded Copper Loop Guarantee		
a. Qualification	-	\$ 46.28
b. Load Removal (up to 5 loops to same location)	-	\$ 460.65
3. ISDN Compatible Conditioning		
a. Qualification	-	\$ 79.49
b. Conditioning copper loop	\$ 56.45	\$ 464.28
c. Conditioning derived loop	\$ 39.55	\$ 60.42
4. HDSL Qualification		
2-wire	-	\$ 95.96
4-wire	-	\$ 163.65
	<u>Monthly</u>	<u>Nonrecurring</u>
C. 4-wire 64 Kbps Digital Loop	\$ 62.41	-
D. 4-wire 1.544 Digital Mbps Loop	\$ 121.06	-
E. Access to NID ⁵		Included in loop rate.
F. Switching		
1. Unbundled Local Switching		
	<u>Monthly</u>	<u>Nonrecurring</u>
a. Port Rates		
Line Side Ports		
Analog Basic	\$ 2.97	\$ 32.45
Analog PBX	\$ 2.97	\$ 41.90
ISDN Basic (BRI)	\$ 27.28	\$ 42.50
Centrex ⁶		
Analog Line	\$ 2.97	\$ 48.18
Analog Attendant Line	\$ 8.96	\$ 48.18
ISDN Line	\$ 33.37	\$ 52.24
ISDN Attendant Line	\$ 40.15	\$ 52.24
Trunk Side Ports		
Analog DID	\$ 19.00	\$ 58.62
Digital Trunk	\$ 180.90	\$ 108.23
ISDN Primary (PRI)	\$ 464.04	\$ 121.57
b. Setup/Activation Features for Ports		<u>Nonrecurring Charge</u>
	<u>Initial</u> ⁷	<u>Subsequent</u> ⁸

⁵ Access to Network Interface Device for Accessing Customer Premises Wiring (Inside Wire) only; does not include the NID itself.

⁶ Centrex Ports not available without Centrex Setup.

⁷ Applies when ordered with initial installation of Port.

⁸ Applies when ordered subsequent to initial installation of Port.

**CINCINNATI BELL PRICING SCHEDULE FOR INTERCONNECTION
TELIGENT/CBT AGREEMENT**

ATTACHMENT A

PRICING BANDS BY CBT WIRE CENTER (CO)

<u>BAND</u>	<u>WIRE CENTER</u>	<u>BAND</u>	<u>WIRE CENTER</u>
<u>1 - MOST DENSE</u>	Covington Florence Ft. Thomas Lakeside Park	<u>3 -RURAL</u>	Alexandria Burlington Independence Union Walton
<u>2 - MIDDLE DENSITY</u>	(none)	<u>4 - SOUTHERN COUNTIES</u>	Butler Crittenden Falmouth Glencoe Warsaw Williamstown

**CINCINNATI BELL PRICING SCHEDULE FOR INTERCONNECTION
TELIGENT/CBT AGREEMENT**

G. Interoffice Transmission Facilities

- 1. Shared Transport¹⁷ \$.002042 per minute.
- 2. Dedicated Transport and Unbundled Dedicated Entrance Facility

35	DS1	Proxied from Access Tariff FCC No.
	DS3	“ “
	OC3	“ “
	OC12	“ “
	OC 48	“ “

a. Optional features

Clear Channel Capability, per 1.544 (DS1) bit stream	Proxied from Access Tariff FCC No. 35
Central Office Multiplexing DS3 to DS1	Proxied from Access Tariff FCC No. 35
DS1 to Voice Grade	“ “

b. Protection

	<u>Monthly</u>	<u>Nonrecurring</u>
1 + 1 Protection for OC3, OC12 and OC 48	“ICB”	“ICB”
1 + 1 Protection with Cable Survivability for OC3, OC12 and OC48	“ICB”	“ICB”
1 + 1 Protection with Route Survivability for OC3, OC12 and OC48	“ICB”	“ICB”

- 3. Dark Fiber Same rates as shown in G. 2. above for Dedicated Interoffice Transport.

¹⁶ Per minute originating and terminating on another port within the same switch (line side or trunk side); does not include transport which may be obtained from CBT, self provided by TELIGENT or a third party provider. Includes switching and trunk ports. Vertical features are included with this rate element, in the interim, pending the completion of Case No. 96-899-TP-ALT.

¹⁷ Shared Transport consists of CBT interoffice transport facilities between CBT end offices and does not include interoffice transport facilities to the access tandem. Shared Transport is a distinct rate element that cannot be provisioned separate from unbundled local switching.

**CINCINNATI BELL PRICING SCHEDULE FOR INTERCONNECTION
TELIGENT/CBT AGREEMENT**

H. Miscellaneous Charges

	<u>Nonrecurring Charge</u>
1. Service Order Charge ¹⁸	\$ 10.66
2. Service Order Change Charge/Record Charge	\$ 21.19
3. Line Connection ¹⁹	\$ 24.57
4. Additional Engineering, Additional Labor, and Maintenance of Service Charges	

These charges apply as specified in CBT's Access Tariff FCC No. 35, whenever there are requirements for Service Coordination, Stand-by, Outside Normal Business Hours Installation and Repair, and Maintenance Of Service.

I. Signaling Networks (CCS/SS7)

1. Signaling Link	Proxied from Access Tariff FCC No. 35
2. Port Termination	“ “

J. Operator Services and Directory Assistance

1. Operator Services	“TBD” ²⁰
2. Directory Assistance Facilities	“TBD”

K. AIN

1. AIN Service Package Application Process	“TBD”
2. AIN Service Creation Environment Access	“TBD”
3. AIN Service Management System Access	“TBD”
4. AIN SCP Platform	“TBD”

ITEM V - Interim Number Portability

	<u>Monthly</u>	<u>Nonrecurring</u>
A. Remote Call Forwarding (“RCF”)	\$ 3.16	-
Per additional call path	\$.56	-
B. Direct Inward Dialing (“DID”)	\$ 18.93	-

¹⁸ Applies as necessary for service orders.

¹⁹ Applies for service migration.

²⁰ Rates are “To Be Developed”. Existing tariff rates apply pending completion of Case No. 96-899-TP-ALT.